# Government of Madras

PUBLIC WORKS DEPARTMENT

(IRRIGATION.)

## G.O. Nos. 7, 8 I., 5th January 1920

### Periyar—Pambiyar Project, Madura district

Approving the recommendations of the Chief Engineer for Irrigation that the further investigation of the — be abandoned.

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READ—the following papers :—

I

G.O. No. 702 I., dated 27th June 1906.

G.O. No. 280 I., dated 18th June 1907.

G.O. Nos. 226-27 I., dated 17th June 1908.

G.O. No. 4 I., dated 10th January 1910.

II

**Note by the Chief Engineer for Irrigation No. 3760/16-C-5, dated 27th November 1919.**

In his note dated 26th March 1906 on the extension of irrigation in the Periyar Canal system, printed on pages 3 and 4 of G.O. No. 702 I., dated 27th June 1906, the Inspector-General of Irrigation suggested the investigation of the possibility of extending the catchment area of the Periyar lake by diverting into it the Pambiyar river. The investigation was undertaken in November 1906 by Mr. S. B. Murray, Executive Engineer, who was specially deputed for the work, and his report covering the period November 1906 to April 1907 showed that it was quite feasible to divert water from the Pambiyar into the Periyar. It was accordingly ordered in G.O. No. 280 I., dated 18th June 1907, that the investigation should be completed. Further investigations were made during the season of 1908 but were stopped in March 1908, as the Inspector-General of Irrigation considered that the cost of the tunnel proposed by Mr. Murray would be prohibitive.

2. The results of the investigations up to then made were reviewed in a Note by the Chief Engineer for Irrigation printed in G.O. No. 226-I., dated 17th June 1908. The Government accepted the opinion of the Chief Engineer for Irrigation that further investigation of the Pambiyar scheme should be deferred until gaugings of the river had been made for a sufficient number of years to enable a reliable estimate to be formed of the quantity of water available and of the use that could be made of it, if diverted into the Periyar.

3. The Government of India, to whom a copy of the above Proceedings was communicated, forwarded a copy of a note by the Inspector-General of Irrigation in which, also, the continued gauging of the available water-supply was recommended. Gauges in the Pambiyar were accordingly read up to 31st December 1915. The gauge readings and discharges during 1907 are printed on pages 7 to 11 of G.O. No. 226 I., dated 17th June 1908, and the discharges for the years 1909–10 to 1915–16 are appended to the present note, together with an abstract statement for the eight years of the monthly discharge in millions of cubic feet.

4. It is found from the observations made that about 9,000 million cubic feet of water annually can be counted upon and that more will be available in most years. To utilize even only one-third of this supply, the following works are required :—

(1) A reservoir on the Pambiyar,

(2) A short cut to the Meenar,

(3) A tunnel through the Kullar, and

(4) A dam on the Kullar.

5. The cost of the above works is roughly estimated at Rs. 50 lakhs as detailed below :—

| | Rupees Lakhs. |
|---|---|
| Pambiyar dams and escape ... | 16·00 |
| Anicut across the Meenar ... | ·10 |
| Tunnel ... | 15·00 |
| Kullar dam and control ... | 1·50 |
| Tools and plant ... | 5·00 |
| Miscellaneous ... | 1·00 |
| Buildings ... | 3·50 |
| Total ... | 42·10 |
| Establishment charges, say, 20 per cent ... | 8·40 |
| Total ... | 50·50 |

This rough estimate provides only for a storage of about 3,000 m.c.ft. and the estimate would quite possibly be exceeded. Between 15,000 and 20,000 acres of paddy could probably be irrigated with this quantity of water, but the water-rate that would have to be charged to make the scheme productive would be something in the region of Rs. 30 per acre. There seems therefore no justification for the further investigation of the scheme and it is recommended that it may be abandoned.

W. J. J. HOWLEY,
*Chief Engineer for Irrigation.*

To the Secretary to Government, Public Works Department (Irrigation).

ENCLOSURE

Abstract statement of monthly supply in millions cubic feet of the Pambiyar river at the site of measuring weir for the years 1909—16.

| Number. | Month. | 1909-10. | 1910-11. | 1911-12. | 1912-13. | 1913-14. | 1914-15. | 1915-16. |
|---|---|---|---|---|---|---|---|---|
| 1 | April .. .. .. | 360 | .. | .. | .. | 20 | .. | 90 |
| 2 | May .. .. .. | 1,810 | .. | .. | 80 | 60 | .. | 200 |
| 3 | June .. .. .. | 3,190 | 980 | 3,030 | 1,680 | 1,160 | 1,170 | 5,200 |
| 4 | July .. .. .. | 3,580 | 2,220 | 4,650 | 3,520 | 3,040 | 4,330 | 6,990 |
| 5 | August .. .. .. | 2,070 | 2,250 | 840 | 2,450 | 1,440 | 1,550 | 2,400 |
| 6 | September .. .. | 1,930 | 1,810 | 570 | 830 | 650 | 1,040 | 2,490 |
| 7 | October .. .. .. | 2,140 | 1,200 | 1,190 | 2,310 | 1,260 | 900 | 2,050 |
| 8 | November .. .. | 1,350 | 1,500 | 350 | 1,710 | 940 | 1,120 | 1,670 |
| 9 | December .. .. | 790 | .. | 320 | 680 | 410 | 460 | 350 |
| 10 | January .. .. .. | 280 | .. | 70 | 180 | 70 | 50 | .. * |
| 11 | February .. .. .. | .. | .. | .. | 90 | 30 | 50 | .. |
| 12 | March .. .. .. | .. | .. | .. | 40 | 80 | 50 | .. |

* From January 1916 gaugings were discontinued.

## Gauge readings and discharges of the Pambiyar river.

| Day. | Mean daily reading. | Discharge in cusecs. | Discharge in 24 hours in millions of c.ft. | Day. | Mean daily reading. | Discharge in cusecs. | Discharge in 24 hours in millions of c.ft. |
|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (1) | (2) | (3) | (4) |
| APRIL 1909. | | | | JUNE 1909. | | | |
| 1st .. .. | 3,202·08 | 16 | 1·4 | 1st .. .. | 3,203·44 | 547 | 47·0 |
| 2nd .. .. | 3,202·12 | 23 | 2·0 | 2nd .. .. | 3,204·79 | 1,495 | 129·0 |
| 3rd .. .. | 3,202·21 | 39 | 3·4 | 3rd .. .. | 3,205·25 | 1,820 | 157·0 |
| 4th .. .. | 3,202·23 | 46 | 4·0 | 4th .. .. | 3,205·05 | 1,657 | 143·0 |
| 5th .. .. | 3,202·19 | 36 | 3·1 | 5th .. .. | 3,205·33 | 1,895 | 164·0 |
| 6th .. .. | 3,202·18 | 35 | 3·0 | 6th .. .. | 3,205·56 | 2,109 | 182·0 |
| 7th .. .. | 3,202·34 | 79 | 6·8 | 7th .. .. | 3,206·20 | 2,896 | 250·0 |
| 8th .. .. | 3,202·76 | 213 | 18·4 | 8th .. .. | 3,205·89 | 2,439 | 211·0 |
| 9th .. .. | 3,202·46 | 106 | 9·2 | 9th .. .. | 3,205·10 | 1,668 | 144·0 |
| 10th .. .. | 3,202·37 | 82 | 7·1 | 10th .. .. | 3,204·74 | 1,383 | 119·0 |
| 11th .. .. | 3,202·49 | 119 | 10·3 | 11th .. .. | 3,204·89 | 1,505 | 130·0 |
| 12th .. .. | 3,202·57 | 144 | 12·4 | 12th .. .. | 3,204·77 | 1,403 | 121·2 |
| 13th .. .. | 3,202·62 | 162 | 14·0 | 13th .. .. | 3,204·47 | 1,198 | 103·5 |
| 14th .. .. | 3,202·39 | 87 | 7·5 | 14th .. .. | 3,204·25 | 1,032 | 89·1 |
| 15th .. .. | 3,202·37 | 78 | 6·7 | 15th .. .. | 3,204·03 | 876 | 75·6 |
| 16th .. .. | 3,202·66 | 173 | 14·9 | 16th .. .. | 3,203·81 | 741 | 64·9 |
| 17th .. .. | 3,202·84 | 237 | 20·5 | 17th .. .. | 3,203·67 | 655 | 56·5 |
| 18th .. .. | 3,202·68 | 174 | 15·0 | 18th .. .. | 3,203·55 | 594 | 51·3 |
| 19th .. .. | 3,202·57 | 166 | 14·3 | 19th .. .. | 3,203·48 | 552 | 47·6 |
| 20th .. .. | 3,202·71 | 189 | 16·3 | 20th .. .. | 3,203·39 | 504 | 43·5 |
| 21st .. .. | 3,202·71 | 190 | 16·4 | 21st .. .. | 3,203·40 | 518 | 44·7 |
| 22nd .. .. | 3,202·86 | 241 | 20·8 | 22nd .. .. | 3,203·51 | 552 | 47·6 |
| 23rd .. .. | 3,202·69 | 196 | 16·9 | 23rd .. .. | 3,203·73 | 714 | 61·6 |
| 24th .. .. | 3,202·63 | 162 | 14·0 | 24th .. .. | 3,204·09 | 976 | 84·3 |
| 25th .. .. | 3,202·54 | 133 | 11·5 | 25th .. .. | 3,204·69 | 1,298 | 112·1 |
| 26th .. .. | 3,202·81 | 225 | 19·4 | 26th .. .. | 3,205·03 | 1,606 | 138·7 |
| 27th .. .. | 3,202·78 | 217 | 18·7 | 27th .. .. | 3,204·89 | 1,522 | 131·4 |
| 28th .. .. | 3,202·78 | 218 | 18·8 | 28th .. .. | 3,204·47 | 1,174 | 101·4 |
| 29th .. .. | 3,202·76 | 204 | 17·6 | 29th .. .. | 3,204·00 | 859 | 74·2 |
| 30th .. .. | 3,202·53 | 129 | 11·1 | 30th .. .. | 3,203·83 | 757 | 65·4 |
| Total .. | .. | .. | 355·5 or 360 | Total .. | .. | .. | 3,190·6 or 3,190 |
| MAY 1909. | | | | JULY 1909. | | | |
| 1st .. .. | 3,202·57 | 144 | 12·4 | 1st .. .. | 3,203·70 | 684 | 59·09 |
| 2nd .. .. | 3,202·79 | 220 | 19·0 | 2nd .. .. | 3,203·67 | 664 | 57·36 |
| 3rd .. .. | 3,202·77 | 223 | 19·3 | 3rd .. .. | 3,203·75 | 718 | 62·03 |
| 4th .. .. | 3,203·28 | 447 | 38·6 | 4th .. .. | 3,203·85 | 782 | 67·56 |
| 5th .. .. | 3,204·69 | 1,490 | 128·7 | 5th .. .. | 3,203·97 | 855 | 73·87 |
| 6th .. .. | 3,205·74 | 2,346 | 202·7 | 6th .. .. | 3,203·94 | 827 | 71·44 |
| 7th .. .. | 3,207.08 | 4,036 | 348·7 | 7th .. .. | 3,204·30 | 1,111 | 95·98 |
| 8th .. .. | 3,206·68 | 3,480 | 300·7 | 8th .. .. | 3,205·10 | 1,778 | 153·61 |
| 9th .. .. | 3,204·73 | 1,369 | 118·3 | 9th .. .. | 3,205 87 | 2,479 | 214·20 |
| 10th .. .. | 3,204·19 | 995 | 86·0 | 10th .. .. | 3,205·95 | 2,555 | 220·75 |
| 11th .. .. | 3,203·43 | 522 | 45·1 | 11th .. .. | 3,205·37 | 1,912 | 165·19 |
| 12th .. .. | 3,203·22 | 415 | 35·9 | 12th .. .. | 3,205·24 | 1,793 | 154·91 |
| 13th .. .. | 3,203·12 | 369 | 31·9 | 13th .. .. | 3,205·08 | 1,652 | 142·73 |
| 14th .. .. | 3,203·07 | 346 | 29·9 | 14th .. .. | 3,205·28 | 1,880 | 162·43 |
| 15th .. .. | 3,203·02 | 323 | 27·9 | 15th .. .. | 3,205·73 | 2,311 | 199·67 |
| 16th .. .. | 3,202·97 | 300 | 25·9 | 16th .. .. | 3,205·39 | 1,927 | 166·49 |
| 17th .. .. | 3,202·96 | 295 | 25·5 | 17th .. .. | 3,204·96 | 1,529 | 132·10 |
| 18th .. .. | 3,202·96 | 289 | 25·0 | 18th .. .. | 3,204·33 | 1,083 | 93·57 |
| 19th .. .. | 3,202·91 | 271 | 23·4 | 19th .. .. | 3,204.07 | 908 | 78·45 |
| 20th .. .. | 3,202·88 | 263 | 22·7 | 20th .. .. | 3,203·86 | 768 | 66·36 |
| 21st .. .. | 3,202·91 | 276 | 23·8 | 21st .. .. | 3,203·69 | 672 | 58·06 |
| 22nd .. .. | 3,202·94 | 287 | 24·8 | 22nd .. .. | 3,203·59 | 615 | 53·14 |
| 23rd .. .. | 3,203·08 | 355 | 30·7 | 23rd .. .. | 3,203·61 | 629 | 54·35 |
| 24th .. .. | 3,203·07 | 337 | 29·1 | 24th .. .. | 3,203·89 | 821 | 70·93 |
| 25th .. .. | 3,202·91 | 271 | 23·4 | 25th .. .. | 3,204·79 | 1,497 | 129·34 |
| 26th .. .. | 3,202·72 | 196 | 16·9 | 26th .. .. | 3,205·64 | 2,162 | 186·80 |
| 27th .. .. | 3,202·67 | 180 | 15·6 | 27th .. .. | 3,205·21 | 1,762 | 152·24 |
| 28th .. .. | 3,202·72 | 196 | 16·9 | 28th .. .. | 3,204·74 | 1,377 | 118·97 |
| 29th .. .. | 3,202·64 | 170 | 14·7 | 29th .. .. | 3,204·49 | 1,201 | 103·77 |
| 30th .. .. | 3,202·72 | 196 | 16·9 | 30th .. .. | 3,204·49 | 1,212 | 104·72 |
| 31st .. .. | 3,203·01 | 326 | 28·2 | 31st .. .. | 3,204·63 | 1,311 | 113·27 |
| Total .. | .. | .. | 1,808·6 or 1,810 | Total .. | .. | .. | 3,583·38 or 3,580 |

Zero of gauge = + 3,201·93.

NOTE.—The mean daily reading is the average of four readings taken in every 24 hours at 6 a.m., noon, 6 p.m. and 6 a.m. on the following day.

Gauge readings and discharges of the Pambiyar river—*cont.*

| Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of c. ft. (4) |
|---|---|---|---|
| **AUGUST 1909.** | | | |
| 1st .. .. | 3,204·63 | 1,334 | 115·2 |
| 2nd .. .. | 3,204·76 | 1,426 | 123·2 |
| 3rd .. .. | 3,205·04 | 1,663 | 143·6 |
| 4th .. .. | 3,204·56 | 1,264 | 109·2 |
| 5th .. .. | 3,204·33 | 1,077 | 93·1 |
| 6th .. .. | 3,203·96 | 831 | 71·8 |
| 7th .. .. | 3,203·99 | 859 | 74·2 |
| 8th .. .. | 3,204·13 | 938 | 81·0 |
| 9th .. .. | 3,204·07 | 908 | 78·5 |
| 10th .. .. | 3,203·88 | 787 | 68·0 |
| 11th .. .. | 3,203·77 | 722 | 62·4 |
| 12th .. .. | 3,203·71 | 680 | 52·8 |
| 13th .. .. | 3,203·67 | 661 | 57·1 |
| 14th .. .. | 3,203·58 | 608 | 52·5 |
| 15th .. .. | 3,203·46 | 538 | 46·5 |
| 16th .. .. | 3,203·39 | 505 | 43·6 |
| 17th .. .. | 3,203·33 | 475 | 41·0 |
| 18th .. .. | 3,203·31 | 459 | 39·7 |
| 19th .. .. | 3,203·42 | 526 | 45·5 |
| 20th .. .. | 3,203·51 | 556 | 48·0 |
| 21st .. .. | 3,203·49 | 570 | 49·3 |
| 22nd .. .. | 3,203·59 | 615 | 53·1 |
| 23rd .. .. | 3,203·54 | 587 | 50·7 |
| 24th .. .. | 3,203·53 | 583 | 50·4 |
| 25th .. .. | 3,203·47 | 542 | 46·8 |
| 26th .. .. | 3,203·46 | 542 | 46·8 |
| 27th .. .. | 3,203·53 | 583 | 50·4 |
| 28th .. .. | 3,203·53 | 580 | 50·1 |
| 29th .. .. | 3,203·72 | 689 | 59·5 |
| 30th .. .. | 3,204·08 | 929 | 80·3 |
| 31st .. .. | 3,204·01 | 871 | 75·3 |
| Total .. | .. | .. | 2,065·7 or 2,070 |
| **SEPTEMBER 1909.** | | | |
| 1st .. .. | 3,203·87 | 779 | 67·3 |
| 2nd .. .. | 3,203·94 | 865 | 74·7 |
| 3rd .. .. | 3,204·08 | 929 | 80·3 |
| 4th .. .. | 3,204·27 | 1,054 | 91·1 |
| 5th .. .. | 3,204·76 | 1,423 | 123·0 |
| 6th .. .. | 3,204·88 | 1,492 | 128·9 |
| 7th .. .. | 3,204·34 | 1,092 | 94·4 |
| 8th .. .. | 3,204·14 | 964 | 83·3 |
| 9th .. .. | 3,203·87 | 808 | 69·8 |
| 10th .. .. | 3,203·76 | 711 | 61·4 |
| 11th .. .. | 3,203·89 | 840 | 72·6 |
| 12th .. .. | 3,203·78 | 726 | 62·7 |
| 13th .. .. | 3,203·71 | 675 | 58·3 |
| 14th .. .. | 3,203·62 | 633 | 54·7 |
| 15th .. .. | 3,203·54 | 587 | 50·7 |
| 16th .. .. | 3,203·46 | 538 | 46·5 |
| 17th .. .. | 3,203·42 | 521 | 45·0 |
| 18th .. .. | 3,203·37 | 495 | 42·8 |
| 19th .. .. | 3,203·34 | 482 | 41·7 |
| 20th .. .. | 3,203·41 | 518 | 44·8 |
| 21st .. .. | 3,203·51 | 570 | 49·3 |
| 22nd .. .. | 3,203·79 | 742 | 64·1 |
| 23rd .. .. | 3,203·86 | 776 | 67·0 |
| 24th .. .. | 3,203·74 | 702 | 60·7 |
| 25th .. .. | 3,203·66 | 655 | 56·6 |
| 26th .. .. | 3,203·54 | 587 | 50·7 |
| 27th .. .. | 3,203·47 | 548 | 47·4 |
| 28th .. .. | 3,203·41 | 511 | 44·2 |
| 29th .. .. | 3,203·39 | 507 | 43·8 |
| 30th .. .. | 3,203·48 | 556 | 48·0 |
| Total .. | .. | .. | 1,925·8 or 1,930 |

| Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of c. ft. (4) |
|---|---|---|---|
| **OCTOBER 1909.** | | | |
| 1st .. .. | 3,203·61 | 611 | 52·8 |
| 2nd .. .. | 3,203·83 | 741 | 64·0 |
| 3rd .. .. | 3,204·08 | 908 | 78·5 |
| 4th .. .. | 3,203·94 | 821 | 70·9 |
| 5th .. .. | 3,203·76 | 702 | 60·7 |
| 6th .. .. | 3,204·06 | 1,009 | 87·2 |
| 7th .. .. | 3,203·97 | 847 | 73·2 |
| 8th .. .. | 3,203·82 | 752 | 65·0 |
| 9th .. .. | 3,203·87 | 803 | 69·4 |
| 10th .. .. | 3,203·89 | 794 | 68·6 |
| 11th .. .. | 3,203·99 | 871 | 75·3 |
| 12th .. .. | 3,203·96 | 851 | 73·5 |
| 13th .. .. | 3,204·26 | 1,119 | 96·7 |
| 14th .. .. | 3,204·02 | 875 | 75·6 |
| 15th .. .. | 3,203·88 | 787 | 68·0 |
| 16th .. .. | 3,204·41 | 1,250 | 108·0 |
| 17th .. .. | 3,204·78 | 1,539 | 133·0 |
| 18th .. .. | 3,204·13 | 959 | 82·8 |
| 19th .. .. | 3,204·17 | 1,053 | 91·0 |
| 20th .. .. | 3,203·93 | 815 | 70·4 |
| 21st .. .. | 3,203·84 | 776 | 67·0 |
| 22nd .. .. | 3,203·77 | 722 | 62·4 |
| 23rd .. .. | 3,203·67 | 654 | 56·5 |
| 24th .. .. | 3,203·63 | 640 | 55·3 |
| 25th .. .. | 3,203·59 | 615 | 53·1 |
| 26th .. .. | 3,203·49 | 559 | 48·3 |
| 27th .. .. | 3,203·43 | 528 | 45·6 |
| 28th .. .. | 3,203·41 | 511 | 44·2 |
| 29th .. .. | 3,203·46 | 539 | 46·6 |
| 30th .. .. | 3,203·46 | 532 | 46·0 |
| 31st .. .. | 3,203·47 | 584 | 50·5 |
| Total .. | .. | .. | 2,140·1 or 2,140 |
| **NOVEMBER 1909.** | | | |
| 1st .. .. | 3,203·38 | 504 | 43·5 |
| 2nd .. .. | 3,203·36 | 491 | 42·4 |
| 3rd .. .. | 3,203·42 | 524 | 45·3 |
| 4th .. .. | 3,203·47 | 548 | 47·3 |
| 5th .. .. | 3,203·42 | 520 | 44·9 |
| 6th .. .. | 3,203·73 | 711 | 61·4 |
| 7th .. .. | 3,204·03 | 833 | 72·0 |
| 8th .. .. | 3,203·58 | 622 | 53·7 |
| 9th .. .. | 3,203·59 | 632 | 54·6 |
| 10th .. .. | 3,203·64 | 669 | 57·8 |
| 11th .. .. | 3,203·52 | 566 | 48·9 |
| 12th .. .. | 3,203·42 | 520 | 44·9 |
| 13th .. .. | 3,203·38 | 501 | 43·3 |
| 14th .. .. | 3,203·37 | 495 | 42·8 |
| 15th .. .. | 3,203·32 | 469 | 40·5 |
| 16th .. .. | 3,203·26 | 433 | 37·4 |
| 17th .. .. | 3,203·21 | 408 | 35·2 |
| 18th .. .. | 3,203·18 | 399 | 34·5 |
| 19th .. .. | 3,203·27 | 453 | 39·1 |
| 20th .. .. | 3,203·41 | 517 | 44·7 |
| 21st .. .. | 3,203·38 | 497 | 42·9 |
| 22nd .. .. | 3,203·36 | 488 | 42·2 |
| 23rd .. .. | 3,203·42 | 520 | 44·9 |
| 24th .. .. | 3,203·36 | 485 | 41·9 |
| 25th .. .. | 3,203·36 | 495 | 42·8 |
| 26th .. .. | 3,203·34 | 478 | 41·3 |
| 27th .. .. | 3,203·41 | 510 | 44·1 |
| 28th .. .. | 3,203·39 | 508 | 43·9 |
| 29th .. .. | 3,203·27 | 443 | 38·3 |
| 30th .. .. | 3,203·22 | 417 | 36·0 |
| Total .. | .. | .. | 1,352·5 or 1,350 |

Zero of gauge = + 3,201·93.

NOTE.—The mean daily readings is the average of four readings taken in every 24 hours—at 6 a.m., noon, 6 p.m. and 6 a.m. on the following day.

Gauge readings and discharges of the Pambiyar river—*cont.*

| Day. (1) | Mean daily reading (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of c. ft. (4) |
|---|---|---|---|
| * DECEMBER 1909. | | | |
| 1st .. .. | 3,203·17 | 393 | 33·9 |
| 2nd .. .. | 3,203·13 | 375 | 32·4 |
| 3rd .. .. | 3,203·13 | 375 | 32·4 |
| 4th .. .. | 3,203·12 | 369 | 31·9 |
| 5th .. .. | 3,203·06 | 340 | 29·4 |
| 6th .. .. | 3,202·97 | 300 | 25·9 |
| 7th .. .. | 3,202·97 | 306 | 26·4 |
| 8th .. .. | 3,202·97 | 300 | 25·9 |
| 9th .. .. | 3,202·93 | 284 | 24·5 |
| 10th .. .. | 3,202·93 | 284 | 24·5 |
| 11th .. .. | 3,203·07 | 363 | 31·4 |
| 12th .. .. | 3,203·07 | 351 | 30·3 |
| 13th .. .. | 3,203·17 | 392 | 33·9 |
| 14th .. .. | 3,203·37 | 479 | 41·4 |
| 15th .. .. | 3,203·07 | 335 | 28 9 |
| 16th .. .. | 3,202 93 | 284 | 24 5 |
| 17th .. .. | 3,202·93 | 284 | 24·5 |
| 18th .. .. | 3,202 92 | 279 | 24·1 |
| 19th .. .. | 3,202·88 | 263 | 22·7 |
| 20th .. .. | 3,202·88 | 263 | 22·7 |
| 21st .. .. | 3,202·87 | 258 | 22·3 |
| 22nd .. .. | 3,202·32 | 237 | 20·5 |
| 23rd .. .. | 3,202·78 | 222 | 19·2 |
| 24th .. | 3,202·78 | 222 | 19·2 |
| 25th .. .. | 3,202·77 | 217 | 18·7 |
| 26th .. .. | 3,202·73 | 203 | 17·5 |
| 27th .. .. | 3,202·72 | 198 | 17·1 |
| 28th .. .. | 3,202·68 | 184 | 15·9 |
| 29th .. .. | 3,202·76 | 216 | 18·7 |
| 30th .. .. | 3,202·98 | 312 | 26·9 |
| 31st .. .. | 3,202·87 | 255 | 22·0 |
| Total .. | .. | .. | 789·6 or 790 |
| * JANUARY 1910. | | | |
| 1st .. .. | 3,202 73 | 203 | 17 5 |
| 2nd .. .. | 3,202·72 | 198 | 17·1 |
| 3rd .. . | 3,202·68 | 184 | 15·9 |
| 4th .. .. | 3,202·68 | 184 | 15·9 |
| 5th .. .. | 3,202·82 | 254 | 21·9 |
| 6th .. .. | 3,202·79 | 218 | 18 8 |
| 7th .. | 3,202·68 | 184 | 15·9 |
| 8th .. .. | 3,202·67 | 179 | 15·5 |
| 9th .. .. | 3,202·63 | 166 | 14·3 |
| 10th .. .. | 3,202·61 | 155 | 13·4 |
| 11th .. .. | 3,202·58 | 148 | 12·8 |
| 12th .. .. | 3,202·57 | 144 | 12·4 |
| 13th .. .. | 3,202·53 | 131 | 11·3 |
| 14th .. .. | 3,202·52 | 127 | 11.0 |
| 15th .. .. | 3,202·48 | 115 | 9·9 |
| 16th .. .. | 3,202·46 | 105 | 9·1 |
| 17th .. .. | 3,202 43 | 100 | 8·6 |
| 18th .. .. | 3,202 43 | 100 | 8·6 |
| 19th .. .. | 3,202·42 | 96 | 8·4 |
| 20th .. .. | 3,202·34 | 73 | 6·3 |
| 21st .. .. | 3,202·28 | 58 | 5·0 |
| 22nd .. .. | 3,202·28 | 58 | 5 0 |
| 23rd† .. .. | 3,202·28 | 29 | 2·5 |
| Total .. | .. | .. | 277·1 or 280 |

| Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of c. ft. (4) |
|---|---|---|---|
| JUNE 1910. | | | |
| 13th .. .. | 3,204·75 | 83 | 7·2 |
| 14th .. .. | 3,204·61 | 75 | 6·5 |
| 15th .. .. | 3,204 61 | 73 | 6·3 |
| 16th .. .. | 3,204·81 | 107 | 9·2 |
| 17th .. .. | 3,205·21 | 253 | 21·9 |
| 18th .. .. | 3,205·30 | 279 | 24·1 |
| 19th .. .. | 3,205·08 | 189 | 16·3 |
| 20th .. .. | 3,205·46 | 374 | 32·3 |
| 21st .. .. | 3,206·31 | 876 | 75·7 |
| 22nd .. .. | 3,206·73 | 1,081 | 93·4 |
| 23rd .. .. | 3,206·56 | 1,049 | 90·6 |
| 24th .. .. | 3,207·40 | 1,636 | 141·4 |
| 25th .. .. | 3,207·60 | 1,844 | 159·3 |
| 26th .. .. | 3,206·88 | 1,211 | 104·6 |
| 27th .. .. | 3,206·28 | 799 | 69·0 |
| 28th .. .. | 3,205·94 | 587 | 50·7 |
| 29th .. | 3,205·74 | 488 | 42·2 |
| 30th .. .. | 3,205·55 | 390 | 33·7 |
| Total .. | .. | .. | 984·4 or 980 |
| JULY 1910. | | | |
| 1st .. .. | 3,205·44 | 346 | 29·9 |
| 2nd .. .. | 3,205·78 | 550 | 47·5 |
| 3rd .. .. | 3,206·40 | 864 | 74·6 |
| 4th .. .. | 3,206·75 | 1,118 | 96·6 |
| 5th .. .. | 3,207·68 | 1,716 | 148·3 |
| 6th .. .. | 3,207·45 | 1,619 | 139 9 |
| 7th .. .. | 3,207·25 | 1,525 | 131·8 |
| 8th .. .. | 3,206·75 | 1,070 | 92·4 |
| 9th .. .. | 3,206·13 | 700 | 60·2 |
| 10th .. .. | 3,205·81 | 529 | 45·7 |
| 11th .. .. | 3,205·66 | 456 | 39 4 |
| 12th .. .. | 3,205 85 | 508 | 43·9 |
| 13th .. .. | 3,205·83 | 481 | 41·6 |
| 14th .. .. | 3,205·55 | 390 | 33·7 |
| 15th .. .. | 3,205·43 | 337 | 29·1 |
| 16th .. .. | 3,205·36 | 309 | 26·7 |
| 17th .. .. | 3,205·30 | 284 | 24·5 |
| 18th .. .. | 3,205·34 | 303 | 26·2 |
| 19th .. .. | 3,205·41 | 334 | 28·9 |
| 20th .. .. | 3,205·45 | 351 | 30·3 |
| 21st .. .. | 3,205·49 | 372 | 32·1 |
| 22nd .. .. | 3,205·66 | 465 | 40·2 |
| 23rd .. .. | 3,206·48 | 1,030 | 89·0 |
| 24th .. .. | 3,207 45 | 1,685 | 145·6 |
| 25th .. .. | 3,207·53 | 1,735 | 149·9 |
| 26th .. .. | 3,207·10 | 1,362 | 117·7 |
| 27th .. .. | 3,206·31 | 809 | 69·9 |
| 28th .. .. | 3,206·08 | 701 | 60·6 |
| 29th .. .. | 3,206·43 | 904 | 78·1 |
| 30th .. .. | 3,206·95 | 1,335 | 115·3 |
| 31st .. .. | 3,206·30 | 1,535 | 132·6 |
| Total .. | .. | .. | 2,222·2 or 2220 |

* Zero of gauge=+3,201·93 ; Zero of gauge=+ 3,204·30 from June 1910.

Note.—The mean daily readings is the average of four readings taken in every 24 hours at 6 a.m. noon, 6 p.m. and 6 a.m. on the following day.

† The discharge has been calculated till 23rd January 1910 only for 12 hours (i.e.,) from 6 a.m. to 6 p.m.

Gauge readings and discharges of the Pambiyar river—*cont.*

| Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of c.ft. (4) | Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of c.ft. (4) |
|---|---|---|---|---|---|---|---|
| * AUGUST 1910. | | | | † OCTOBER 1910. | | | |
| 1st .. .. | 3,207·10 | 1,387 | 119·8 | 1st .. .. | 3,206·65 | 1,028 | 88·8 |
| 2nd .. .. | 3,207·08 | 1,358 | 117·3 | 2nd .. .. | 3,206·46 | 909 | 78·5 |
| 3rd .. .. | 3,207·16 | 1,443 | 124·7 | 3rd .. .. | 3,206·26 | 779 | 67·3 |
| 4th .. .. | 3,207·73 | 1,983 | 171·3 | 4th .. .. | 3,205·91 | 577 | 49·9 |
| 5th .. .. | 3,208·19 | 2,329 | 201·2 | 5th .. .. | 3,205·63 | 431 | 37·2 |
| 6th .. .. | 3,207·54 | 1.705 | 147·3 | 6th .. .. | 3,205·46 | 350 | 30·2 |
| 7th .. .. | 3.206·94 | 1,222 | 105·8 | 7th .. .. | 3,205·36 | 304 | 26·3 |
| 8th .. .. | 3,206·79 | 976 | 84·3 | 8th .. .. | 3,205·43 | 334 | 28·9 |
| 9th .. .. | 3,206·48 | 925 | 79·9 | 9th .. .. | 3,205·47 | 357 | 30·8 |
| 10th .. .. | 3,206·40 | 884 | 76·4 | 10th .. .. | 3,205·67 | 471 | 40·7 |
| 11th .. .. | 3,206·20 | 753 | 65·1 | 11th .. .. | 3,205·96 | 598 | 51·7 |
| 12th .. .. | 3,205·90 | 577 | 49·9 | 12th .. .. | 3,205·81 | 532 | 46·0 |
| 13th .. .. | 3,205·65 | 443 | 38·3 | 13th .. .. | 3,205·76 | 540 | 46·7 |
| 14th .. .. | 3,205·56 | 402 | 34·7 | 14th .. .. | 3,205·59 | 408 | 35·3 |
| 15th .. .. | 3,205·51 | 375 | 31·4 | 15th .. .. | 3,205·34 | 326 | 28·2 |
| 16th .. .. | 3,205·53 | 394 | 34·0 | 16th .. .. | 3,205·36 | 304 | 26·3 |
| 17th .. .. | 3,205·53 | 391 | 33·8 | 17th .. .. | 3,205·45 | 351 | 30·3 |
| 18th .. .. | 3,205·49 | 371 | 32·1 | 18th .. .. | 3,205·39 | 315 | 27·2 |
| 19th .. .. | 3,205·47 | 358 | 30·9 | 19th .. .. | 3,205·36 | 312 | 27·0 |
| 20th .. .. | 3,205·46 | 356 | 30·8 | 20th .. .. | 3,205·31 | 283 | 24·5 |
| 21st .. .. | 3,205·46 | 356 | 30·8 | 21st .. .. | 3,205·26 | 263 | 22·7 |
| 22nd .. .. | 3,205·54 | 394 | 34·0 | 22nd .. .. | 3,205·38 | 314 | 27·1 |
| 23rd .. .. | 3,205·57 | 403 | 34·8 | 23rd .. .. | 3,205 20 | 232 | 20·0 |
| 24th .. .. | 3,205·81 | 542 | 46·8 | 24th .. .. | 3,205·21 | 248 | 21·4 |
| 25th .. .. | 3,206·68 | 1,067 | 92·2 | 25th .. .. | 3,205 40 | 318 | 27·5 |
| 26th .. .. | 3,206·28 | 791 | 68·3 | 26th .. .. | 3,205·57 | 379 | 32·7 |
| 27th .. .. | 3,206·13 | 711 | 61·4 | 27th .. .. | 3,205·80 | 521 | 45·0 |
| 28th .. .. | 3,206·01 | 638 | 55·1 | 28th .. .. | 3,205·77 | 509 | 44·0 |
| 29th .. .. | 3,206·16 | 755 | 65·2 | 29th .. .. | 3,205·85 | 559 | 48·3 |
| 30th .. .. | 3,206·43 | 896 | 77·4 | 30th .. .. | 3,205·79 | 516 | 44·6 |
| 31st .. .. | 3,206 33 | 840 | 72·6 | 31st .. .. | 3,205.84 | 554 | 47·9 |
| Total .. | .. | .. | 2,248·6 or 2,250 | Total .. | .. | .. | 1,203·0 or 1,200 |
| * SEPTEMBER 1910. | | | | ‡ NOVEMBER 1910. | | | |
| 1st .. .. | 3,206·28 | 800 | 69·1 | 1st .. .. | 3,205·92 | 592 | 51·1 |
| 2nd .. .. | 3,206·38 | 875 | 75·6 | 2nd .. .. | 3,205·81 | 529 | 45·7 |
| 3rd .. .. | 3,206·99 | 1,272 | 109·9 | 3rd .. .. | 3,205·70 | 475 | 41·0 |
| 4th .. .. | 3,206·78 | 1,137 | 98·2 | 4th .. .. | 3,205 70 | 475 | 41·0 |
| 5th .. .. | 3,206·98 | 1,274 | 110·1 | 5th .. .. | 3,205·77 | 509 | 44·0 |
| 6th .. .. | 3,206·65 | 1,041 | 89·9 | 6th .. .. | 3,206·51 | 957 | 82·5 |
| 7th .. .. | 3,206·41 | 892 | 77·1 | 7th .. .. | 3,207·67 | 1,853 | 160·1 |
| 8th .. .. | 3,206 62 | 1,121 | 96·9 | 8th .. .. | 3,207·48 | 1,687 | 145·8 |
| 9th .. .. | 3,206·07 | 688 | 59·4 | 9th .. .. | 3,206 45 | 917 | 79·2 |
| 10th .. .. | 3,205·89 | 566 | 48·9 | 10th .. .. | 3,205·98 | 629 | 54·3 |
| 11th .. .. | 3,205·75 | 493 | 42·6 | 11th .. .. | 3,205·73 | 491 | 42·4 |
| 12th .. .. | 3,205·63 | 424 | 36·6 | 12th .. .. | 3,205·65 | 449 | 38·8 |
| 13th .. .. | 3,205·56 | 401 | 34·6 | 13th .. .. | 3,205·90 | 583 | 50·4 |
| 14th .. .. | 3,205·49 | 369 | 31·8 | 14th .. .. | 3,206·02 | 649 | 56·1 |
| 15th .. .. | 3,205·45 | 347 | 30·0 | 15th .. .. | 3,205·77 | 509 | 44·0 |
| 16th .. | 3,205·41 | 331 | 28·6 | 16th .. .. | 3,205·90 | 583 | 50·4 |
| 17th .. .. | 3,205·32 | 285 | 24·6 | 17th .. .. | 3,206·02 | 649 | 56·1 |
| 18th .. .. | 3,205·17 | 228 | 20·0 | 18th .. .. | 3,205·82 | 536 | 46·3 |
| 19th .. .. | 3,205·21 | 248 | 21·4 | 19th .. .. | 3,205·68 | 462 | 39·9 |
| 20th .. .. | 3,205·46 | 355 | 30·7 | 20th .. .. | 3,205·60 | 424 | 36·6 |
| 21st .. .. | 3,205·66 | 445 | 38·4 | 21st .. .. | 3,205 68 | 462 | 39·9 |
| 22nd .. .. | 3,205·53 | 382 | 33·0 | 22nd .. .. | 3,205·78 | 517 | 44·7 |
| 23rd .. .. | 3,205·53 | 388 | 33·5 | 23rd .. .. | 3,205·85 | 552 | 47·6 |
| 24th .. .. | 3,205·79 | 518 | 44·7 | 24th .. .. | 3,205·77 | 509 | 44·0 |
| 25th .. .. | 3,206·51 | 1,041 | 89·9 | 25th .. .. | 3,205·53 | 387 | 33·4 |
| 26th .. | 3,206·30 | 820 | 70·8 | 26th .. .. | 3,205·38 | 317 | 27·4 |
| 27th .. .. | 3,206·12 | 711 | 61·4 | 27th .. .. | 3,205·28 | 275 | 23·8 |
| 28th .. .. | 3,206·42 | 915 | 79·1 | 28th .. .. | 3,205·13 | 214 | 18·5 |
| 29th .. .. | 3,207·06 | 1,383 | 119·5 | 29th .. .. | 3,205·03 | 177 | 15·3 |
| 30th .. .. | 3,206·90 | 1,222 | 105·8 | | | | |
| Total .. | .. | .. | 1,812·1 or 1,810 | Total .. | . | .. | 1,500·3 or 1,500 |

Zero of gauge = + 3,204·30.

Note.—The mean daily reading is the average of four readings taken in every 24 hours at 6 a.m., noon, 6 p.m. and 6 a.m. on the following day.

* Note.—The mean daily readings is the average of four readings of the corrected value of 'h' taken in every 24 hours at 6 a.m., noon, 6 p.m. and 6 a.m. on the following day. The corrected values of 'h' have been obtained by adding to the readings at the weir gauge, one-third the difference of readings at the measuring weir and those at 200′ above the weir for gauges up to 0·6′ and half the difference for the gauges between 0·6′, and 1·5′ and two-thirds the difference for gauges over 1·5′.

† Note.—The mean daily readings is the average of two readings of the corrected value 'h' taken in every 24 hours at 6 a.m. and 6 a.m. on the following days. The corrected values of 'h' have been obtained by adding to the readings at the weir gauge one-third the difference of reading at measuring weir and those at 200′ above the weir for gauges up to 0·6′ and half the difference for the gauges between 0·6′ and 1·5′ and two-thirds the difference for gauges over 1·5′.

‡ Discharge has been calculated till 29th November only.

Gauge readings and discharges of the Pambiyar river—*cont.*

| Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of c. ft. (4) |
|---|---|---|---|
| **JUNE 1911.** | | | |
| 1st | 3,204·48 | 23 | 2·0 |
| 2nd | 3,204·47 | 19 | 1·6 |
| 3rd | 3,204·66 | 72 | 6·2 |
| 4th | 3,205·19 | 246 | 21·3 |
| 5th | 3,205·45 | 334 | 28·9 |
| 6th | 3,205·12 | 233 | 20·1 |
| 7th | 3,206·12 | 814 | 70·3 |
| 8th | 3,206·65 | 1,096 | 94·7 |
| 9th | 3,207·06 | 1,397 | 120·7 |
| 10th | 3,208·74 | 3,005 | 259·6 |
| 11th | 3,209·46 | 4,037 | 348·8 |
| 12th | 3,207·59 | 1,684 | 145·5 |
| 13th | 3,206·66 | 1,028 | 88·8 |
| 14th | 3,206·44 | 904 | 78·1 |
| 15th | 3,205·94 | 590 | 51·0 |
| 16th | 3,205·71 | 477 | 41·2 |
| 17th | 3,205·62 | 428 | 37·0 |
| 18th | 3,206·47 | 978 | 84·5 |
| 19th | 3,208·01 | 2,146 | 185·4 |
| 20th | 3,208·13 | 2,280 | 197·0 |
| 21st | 3,208·34 | 2,543 | 219·7 |
| 22nd | 3,208·46 | 2,736 | 236·4 |
| 23rd | 3,207·78 | 1,897 | 163·9 |
| 24th | 3,207·77 | 1,856 | 160·4 |
| 25th | 3,206·80 | 1,114 | 96·2 |
| 26th | 3,206·17 | 721 | 62·3 |
| 27th | 3,205·89 | 577 | 49·9 |
| 28th | 3,206·01 | 630 | 54·4 |
| 29th | 3,206·93 | 588 | 50·8 |
| 30th | 3,206·04 | 659 | 56·9 |
| Total .. | .. | .. | 3,033·6 or 3,030 |
| **JULY 1911.** | | | |
| 1st | 3,205·93 | 595 | 51·4 |
| 2nd | 3,205·89 | 590 | 51·0 |
| 3rd | 3,205·87 | 567 | 49·0 |
| 4th | 3,205·86 | 550 | 47·5 |
| 5th | 3,206·71 | 1,107 | 95·6 |
| 6th | 3,206·86 | 1,214 | 104·9 |
| 7th | 3,206·76 | 1,147 | 99·1 |
| 8th | 3,207·19 | 1,521 | 131·4 |
| 9th | 3,207·23 | 1,542 | 133·2 |
| 10th | 3,206·45 | 921 | 79·6 |
| 11th | 3,206·95 | 1,317 | 113·8 |
| 12th | 3,207·83 | 2,256 | 194·9 |
| 13th | 3,208·72 | 3,125 | 270·0 |
| 14th | 3,207·62 | 1,764 | 152·4 |
| 15th | 3,207·19 | 1,431 | 123·6 |
| 16th | 3,208·44 | 2,791 | 241·1 |
| 17th | 3,209·11 | 3,688 | 318·6 |
| 18th | 3,208·74 | 3,095 | 267·4 |
| 19th | 3,209·00 | 3,586 | 309·8 |
| 20th | 3,208·85 | 3,381 | 292·1 |
| 21st | 3,208·79 | 3,245 | 280·4 |
| 22nd | 3,208·32 | 2,409 | 208·1 |
| 23rd | 3,207·85 | 1,983 | 171·3 |
| 24th | 3,207·76 | 1,887 | 163·0 |
| 25th | 3,207·50 | 1,651 | 142·6 |
| 26th | 3,207·10 | 1,409 | 121·7 |
| 27th | 3,206·59 | 1,004 | 86·7 |
| 28th | 3,206·55 | 983 | 84·9 |
| 29th | 3,206·90 | 1,268 | 109·6 |
| 30th | 3,206·60 | 1,004 | 86·7 |
| 31st | 3,206·32 | 816 | 70·5 |
| Total .. | .. | .. | 4,651·9 or 4,650 |

| Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of c. ft. (4) |
|---|---|---|---|
| **AUGUST 1911.** | | | |
| 1st | 3,205·93 | 590 | 51·0 |
| 2nd | 3,205·80 | 529 | 45·7 |
| 3rd | 3,205·68 | 454 | 39·2 |
| 4th | 3,205·41 | 327 | 28·3 |
| 5th | 3,205·44 | 467 | 40·3 |
| 6th | 3,205·33 | 286 | 24·7 |
| 7th | 3,205·34 | 359 | 31·0 |
| 8th | 3,205·15 | 225 | 19·4 |
| 9th | 3,205·55 | 404 | 34·9 |
| 10th | 3,206·07 | 701 | 60·6 |
| 11th | 3,206·19 | 766 | 66·2 |
| 12th | 3,205·89 | 562 | 48·6 |
| 13th | 3,205·64 | 433 | 37·4 |
| 14th | 3,205·34 | 296 | 25·6 |
| 15th | 3,205·27 | 243 | 21·0 |
| 16th | 3,205·08 | 186 | 16·1 |
| 17th | 3,205·00 | 163 | 14·1 |
| 18th | 3,204·99 | 167 | 14·4 |
| 19th | 3,205·07 | 186 | 16·1 |
| 20th | 3,205·04 | 195 | 16·8 |
| 21st | 3,205·09 | 196 | 16·9 |
| 22nd | 3,205·19 | 239 | 20·6 |
| 23rd | 3,205·06 | 181 | 15·6 |
| 24th | 3,205·07 | 191 | 16·5 |
| 25th | 3,205·11 | 203 | 17·5 |
| 26th | 3,205·13 | 213 | 18·4 |
| 27th | 3,205·89 | 191 | 16·5 |
| 28th | 3,205·03 | 176 | 15·2 |
| 29th | 3,205·03 | 181 | 15·6 |
| 30th | 3,205·06 | 188 | 16·2 |
| 31st | 3,205·02 | 171 | 14·8 |
| Total .. | .. | .. | 835·2 or 840 |
| **SEPTEMBER 1911.** | | | |
| 1st | 3,204·99 | 159 | 13·7 |
| 2nd | 3,204·99 | 162 | 14·0 |
| 3rd | 3,205·00 | 163 | 14·1 |
| 4th | 3,204·97 | 152 | 13·1 |
| 5th | 3,204·96 | 149 | 12·9 |
| 6th | 3,204·92 | 135 | 11·7 |
| 7th | 3,204·92 | 137 | 11·8 |
| 8th | 3,204·90 | 128 | 11·1 |
| 9th | 3,204·94 | 144 | 12·4 |
| 10th | 3,205·24 | 290 | 25·1 |
| 11th | 3,205·09 | 186 | 16·1 |
| 12th | 3,204·97 | 156 | 13·5 |
| 13th | 3,204·88 | 125 | 10·8 |
| 14th | 3,204·88 | 124 | 10·7 |
| 15th | 3,204·88 | 125 | 10·8 |
| 16th | 3,204·92 | 140 | 12·1 |
| 17th | 3,205·08 | 194 | 16·8 |
| 18th | 3,205·21 | 239 | 20·6 |
| 19th | 3,205·38 | 314 | 27·1 |
| 20th | 3,205·44 | 358 | 30·9 |
| 21st | 3,205·38 | 314 | 27·1 |
| 22nd | 3,205·29 | 278 | 24·0 |
| 23rd | 3,205·24 | 258 | 22·3 |
| 24th | 3,205·23 | 257 | 22·2 |
| 25th | 3,205·16 | 222 | 19·2 |
| 26th | 3,205·07 | 187 | 16·2 |
| 27th | 3,205·04 | 185 | 16·0 |
| 28th | 3,205·21 | 248 | 21·4 |
| 29th | 3,205·76 | 491 | 42·4 |
| 30th | 3,205·93 | 631 | 54·5 |
| Total .. | .. | .. | 574·4 or 570 |

Zero of gauge = + 3,204·30.

NOTE.—The mean daily reading is the average of the four readings of the corrected values of 'h' taken in every 24 hours—at 6 a.m., noon, 6 p.m., and 6 a.m. on the following day. The corrected values of 'h' have been obtained by adding to the readings at the weir gauge one-third the difference of readings at the measuring weir and those at 200′ above the weir for gauges up to 0·6′ and half the difference for the gauges between 0·6′ and 1·5′ and two-thirds the difference for gauges over 1·5.′

Gauge readings and discharges of the Pambiyar river—*cont.*

| Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of c. ft. (4) |
|---|---|---|---|
| **OCTOBER 1911.** | | | |
| 1st .. .. | 3,205·94 | 634 | 54·8 |
| 2nd .. .. | 3,205 92 | 596 | 51·5 |
| 3rd .. .. | 3,206·26 | 822 | 71·0 |
| 4th .. .. | 3,205·89 | 573 | 49·5 |
| 5th .. .. | 3,205·87 | 572 | 49·4 |
| 6th .. .. | 3,205·76 | 501 | 43·3 |
| 7th .. .. | 3,205·55 | 398 | 34·4 |
| 8th .. .. | 3,205·37 | 309 | 26·7 |
| 9th .. .. | 3,205·21 | 238 | 20·6 |
| 10th .. .. | 3,205 27 | 288 | 24·9 |
| 11th .. .. | 3,205·26 | 261 | 22·6 |
| 12th .. .. | 3,205.23 | 269 | 23·2 |
| 13th .. .. | 3,205·20 | 237 | 20·5 |
| 14th .. .. | 3,205·19 | 234 | 20·2 |
| 15th .. .. | 3,205·14 | 214 | 18·5 |
| 16th .. .. | 3,205·12 | 215 | 18·6 |
| 17th .. .. | 3,205·66 | 532 | 46·0 |
| 18th .. .. | 3,206·55 | 933 | 80·6 |
| 19th .. .. | 3,207·20 | 1,339 | 115·7 |
| 20th .. .. | 3,206 27 | 799 | 69·0 |
| 21st .. .. | 3,206·05 | 643 | 55·6 |
| 22nd .. .. | 3,205 75 | 464 | 40·1 |
| 23rd .. .. | 3,205·44 | 345 | 29·8 |
| 24th .. .. | 3,205 36 | 305 | 26·4 |
| 25th .. .. | 3,205·55 | 443 | 38·3 |
| 26th .. .. | 3,205·47 | 371 | 32·1 |
| 27th .. .. | 3,205·28 | 273 | 23·6 |
| 28th .. .. | 3,205·16 | 224 | 19·4 |
| 29th .. .. | 3,205·18 | 232 | 20·0 |
| 30th .. .. | 3,205·24 | 241 | 20·8 |
| 31st .. .. | 3,205·19 | 223 | 19·3 |
| Total .. | .. | .. | 1,186·4 or 1,190 |
| **NOVEMBER 1911.** | | | |
| 1st .. .. | 3,205·11 | 199 | 17·2 |
| 2nd .. .. | 3,205·03 | 175 | 15·1 |
| 3rd .. .. | 3,205·07 | 188 | 16·2 |
| 4th .. .. | 3,205·09 | 201 | 17·8 |
| 5th .. .. | 3,205·02 | 168 | 14·5 |
| 6th .. .. | 3,204·97 | 153 | 13·2 |
| 7th .. .. | 3,204·90 | 131 | 11 3 |
| 8th .. .. | 3,204·86 | 118 | 10 2 |
| 9th .. .. | 3,204 83 | 109 | 9·4 |
| 10th .. .. | 3,204·84 | 113 | 9·8 |
| 11th .. .. | 3,204·82 | 107 | 9·2 |
| 12th .. .. | 3,204·87 | 123 | 10·6 |
| 13th .. .. | 3,204·87 | 116 | 10·0 |
| 14th .. .. | 3,204·79 | 96 | 8·3 |
| 15th .. .. | 3,204·77 | 92 | 7·9 |
| 16th .. .. | 3,204·81 | 103 | 8·9 |
| 17th .. .. | 3,204·73 | 79 | 6·8 |
| 18th .. .. | 3,204·76 | 89 | 7·7 |
| 19th .. .. | 3,204·84 | 108 | 9·3 |
| 20th .. .. | 3,204·80 | 101 | 8·7 |
| 21st .. .. | 3,205·02 | 179 | 15·5 |
| 22nd .. .. | 3,205·16 | 218 | 18 8 |
| 23rd .. .. | 3,205·18 | 249 | 21·5 |
| 24th .. .. | 3,205 04 | 182 | 15·7 |
| 25th .. .. | 3,204·95 | 143 | 12·4 |
| 26th .. .. | 3,204·85 | 115 | 9·9 |
| 27th .. .. | 3,204·80 | 100 | 8·6 |
| 28th .. .. | 3,204·76 | 87 | 7·5 |
| 29th .. .. | 3,204·73 | 79 | 6 8 |
| 30th .. .. | 3,204·72 | 78 | 6·7 |
| Total .. | .. | .. | 345·5 or 350 |

| Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of c. ft. (4) |
|---|---|---|---|
| **DECEMBER 1911.** | | | |
| 1st .. .. | 3,204·81 | 104 | 9·0 |
| 2nd .. .. | 3,204·90 | 138 | 11·9 |
| 3rd .. .. | 3,204·95 | 149 | 12·9 |
| 4th .. .. | 3,205·05 | 175 | 15·1 |
| 5th .. .. | 3,204·97 | 157 | 13·6 |
| 6th .. .. | 3,205·23 | 289 | 25·0 |
| 7th .. .. | 3,205·22 | 265 | 22·9 |
| 8th .. .. | 3,205·07 | 190 | 16·4 |
| 9th .. .. | 3,204·98 | 156 | 13·5 |
| 10th .. .. | 3,204·92 | 137 | 11·8 |
| 11th .. .. | 3,204·87 | 122 | 10·5 |
| 12th .. .. | 3,204·86 | 117 | 10·1 |
| 13th .. .. | 3,204 91 | 137 | 11·8 |
| 14th .. .. | 3,204·89 | 126 | 10·9 |
| 15th .. .. | 3,204·80 | 100 | 8·6 |
| 16th .. .. | 3,204·75 | 86 | 7·4 |
| 17th .. .. | 3,204·73 | 78 | 6·7 |
| 18th .. .. | 3,204·71 | 74 | 6·4 |
| 19th .. .. | 3,204·80 | 71 | 6·1 |
| 20th .. .. | 3,204·71 | 74 | 6·4 |
| 21st .. .. | 3,204·71 | 75 | 6·5 |
| 22nd .. .. | 3,204·71 | 72 | 6·2 |
| 23rd .. .. | 3,204·72 | 79 | 6·8 |
| 24th .. .. | 3,204·90 | 136 | 11·8 |
| 25th .. .. | 3,204·97 | 149 | 12·9 |
| 26th .. .. | 3,204·77 | 91 | 7·9 |
| 27th .. .. | 3,204·77 | 92 | 7·9 |
| 28th .. .. | 3,204·69 | 68 | 5·9 |
| 29th .. .. | 3,204·65 | 58 | 5·0 |
| 30th .. .. | 3,204 63 | 55 | 4·8 |
| 31st .. .. | 3,204·61 | 48 | 4·1 |
| Total .. | .. | .. | 316·8 or 320 |
| **JANUARY 1912** | | | |
| 1st .. .. | 3,204·59 | 45 | 3·9 |
| 2nd .. .. | 3,204·59 | 45 | 3·9 |
| 3rd .. .. | 3,204·59 | 44 | 3·8 |
| 4th .. .. | 3,204·58 | 42 | 3·6 |
| 5th .. .. | 3,204·57 | 42 | 3 6 |
| 6th .. .. | 3,204·57 | 40 | 3·5 |
| 7th .. .. | 3,204·55 | 36 | 3·1 |
| 8th .. .. | 3,204·54 | 34 | 2·9 |
| 9th .. .. | 3,204·53 | 32 | 2·8 |
| 10th .. .. | 3,204·52 | 29 | 2·5 |
| 11th .. .. | 3,204·52 | 29 | 2·5 |
| 12th .. .. | 3,204·52 | 28 | 2·4 |
| 13th .. .. | 3,204·51 | 27 | 2·3 |
| 14th .. .. | 3,204 52 | 29 | 2·5 |
| 15th .. .. | 3,204·57 | 43 | 3·7 |
| 16th .. .. | 3,204·55 | 34 | 2·9 |
| 17th .. .. | 3,204·53 | 31 | 2·7 |
| 18th .. .. | 3,204·51 | 25 | 2·2 |
| 19th .. .. | 3,204·49 | 23 | 2·0 |
| 20th .. .. | 3,204·48 | 20 | 1·7 |
| 21st .. .. | 3,204·47 | 19 | 1·6 |
| 22nd .. .. | 3,204·47 | 19 | 1·6 |
| 23rd .. .. | 3,204·47 | 19 | 1·6 |
| 24th .. .. | 3,204·46 | 18 | 1·6 |
| 25th .. .. | 3,204·46 | 18 | 1·6 |
| 26th .. .. | 3,204·45 | 16 | 1·4 |
| 27th .. .. | 3,204·43 | 13 | 1·1 |
| 28th .. .. | 3,204·42 | 12 | 1·0 |
| 29th .. .. | 3,204·42 | 12 | 1·0 |
| 30th .. .. | 3,204·42 | 12 | 1·0 |
| 31st .. .. | 3,204·42 | 6 | 0·5 |
| Total .. | .. | .. | 72·5 or 70 |

Zero of gauge = + 3,204·30.

NOTE.—The mean daily reading is the average of the four readings of the corrected values of 'h' taken in every 24 hours—at 6 a.m., noon, 6 p.m. and 6 a.m. on the following day. The corrected values of 'h' have been obtained by adding to the readings at the weir gauge, one-third the difference of readings at the measuring weir and those at 200′ above for gauges up to 0·6′ and half the difference for gauges between 0·6′ and 1·5′ and two-thirds the difference for gauges over 1·5′.

Gauge readings and discharges of the Pambiyar river—*cont.*

| Day. | Mean daily reading. | Discharge in cusecs. | Discharge in 24 hours in millions of cubic feet. | Day. | Mean daily reading. | Discharge in cusecs. | Discharge in 24 hours in millions of cubic feet. |
|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (1) | (2) | (3) | (4) |
| **MAY 1912.** | | | | **JULY 1912.** | | | |
| 1st * .. .. | .. | .. | .. | 1st .. .. | 3,206·03 | 646 | 55·8 |
| 2nd .. .. | .. | 9 | 0·8 | 2nd .. .. | 3,205·74 | 485 | 41·9 |
| 3rd .. .. | .. | 8 | 0·7 | 3rd .. .. | 3,205·55 | 394 | 34·0 |
| 4th .. .. | .. | 8 | 0·7 | 4th .. .. | 3,205·39 | 319 | 27·6 |
| 5th .. .. | .. | 7 | 0·6 | 5th .. .. | 3,205·38 | 327 | 28·3 |
| 6th .. .. | .. | 8 | 0·7 | 6th .. .. | 3,205·40 | 323 | 27·9 |
| 7th † .. .. | .. | 5 | 0·5 | 7th .. .. | 3,205·28 | 273 | 23·6 |
| 8th * .. .. | .. | .. | .. | 8th .. .. | 3,206·15 | 809 | 69·9 |
| 9th .. .. | .. | 16 | 1·4 | 9th .. .. | 3,207·33 | 1,516 | 131·0 |
| 10th .. .. | .. | 13 | 1·1 | 10th .. .. | 3,207·20 | 1,431 | 123·6 |
| 11th .. .. | .. | 15 | 1·3 | 11th .. .. | 3,206·86 | 1,205 | 104·1 |
| 12th .. .. | .. | 41 | 3·5 | 12th .. .. | 3,206·58 | 1,023 | 88·4 |
| 13th .. .. | .. | 65 | 5·6 | 13th .. .. | 3,206·20 | 747 | 64·5 |
| 14th .. .. | .. | 60 | 5·2 | 14th .. .. | 3,205·94 | 596 | 51·5 |
| 15th .. .. | .. | 38 | 3·3 | 15th .. .. | 3,205·94 | 608 | 52·5 |
| 16th .. .. | .. | 32 | 2·8 | 16th .. .. | 3,205·84 | 545 | 47·1 |
| 17th .. .. | .. | 24 | 2·1 | 17th .. .. | 3,205·87 | 757 | 65·4 |
| 18th .. .. | .. | 20 | 1·7 | 18th .. .. | 3,207·08 | 1,394 | 120·4 |
| 19th .. .. | .. | 18 | 1·6 | 19th .. .. | 3,208·09 | 2,233 | 192·9 |
| 20th .. .. | .. | 15 | 1·3 | 20th .. .. | 3,208·29 | 2,548 | 220·1 |
| 21st .. .. | .. | 17 | 1·5 | 21st .. .. | 3,208·10 | 2,255 | 194·8 |
| 22nd .. .. | .. | 13 | 1·1 | 22nd .. .. | 3,207·49 | 1,696 | 146·5 |
| 23rd .. .. | .. | 31 | 2·7 | 23rd .. .. | 3,207·11 | 1,358 | 117·3 |
| 24th .. .. | .. | 60 | 5·2 | 24th .. .. | 3,207·34 | 1,614 | 139·4 |
| 25th .. .. | .. | 60 | 5·2 | 25th .. .. | 3,207·70 | 1,884 | 162·8 |
| 26th .. .. | .. | 46 | 4·0 | 26th .. .. | 3,208·18 | 2,306 | 199·2 |
| 27th .. .. | .. | 43 | 3·7 | 27th .. .. | 3,208·39 | 2,674 | 231·0 |
| 28th .. .. | .. | 42 | 3·6 | 28th .. .. | 3,208·87 | 3,237 | 279·7 |
| 29th .. .. | .. | 57 | 4·9 | 29th .. .. | 3,209·09 | 2,847 | 246·0 |
| 30th .. .. | .. | 73 | 6·6 | 30th .. .. | 3,207·41 | 1,532 | 132·4 |
| 31st † .. .. | .. | 28 | 2·4 | 31st .. .. | 3,206·83 | 1,156 | 99·9 |
| Total for 28 days. | .. | .. | 75·5 or 80 | Total .. | .. | .. | 3,519·5 or 3,520 |
| **JUNE 1912.** | | | | **AUGUST 1912.** | | | |
| 1st .. .. | 3,204·51 | 25 | 2·2 | 1st .. .. | 3,206·69 | 1,055 | 91·2 |
| 2nd .. .. | 3,204·48 | 21 | 1·8 | 2nd .. .. | 3,206·01 | 615 | 53·1 |
| 3rd .. .. | 3,204·49 | 22 | 1·9 | 3rd .. .. | 3,205·57 | 402 | 34·7 |
| 4th .. .. | 3,204·57 | 40 | 3·5 | 4th .. .. | 3,205·38 | 314 | 27·1 |
| 5th .. .. | 3,204·84 | 117 | 10·1 | 5th .. .. | 3,205·32 | 289 | 25·0 |
| 6th .. .. | 3,204·74 | 82 | 7·1 | 6th .. .. | 3,205·34 | 298 | 25·7 |
| 7th .. .. | 3,204·79 | 103 | 8·9 | 7th .. .. | 3,205·34 | 307 | 26·5 |
| 8th .. .. | 3,204·94 | 141 | 12·2 | 8th .. .. | 3,206·18 | 939 | 81·1 |
| 9th .. .. | 3,205·12 | 212 | 18·3 | 9th .. .. | 3,206·36 | 854 | 73·8 |
| 10th .. .. | 3,205·43 | 349 | 30·2 | 10th .. .. | 3,206·16 | 720 | 62·2 |
| 11th .. .. | 3,205·52 | 388 | 33·5 | 11th .. .. | 3,205·81 | 524 | 45·3 |
| 12th .. .. | 3,205·63 | 442 | 38·2 | 12th .. .. | 3,205·88 | 544 | 47·0 |
| 13th .. .. | 3,206·12 | 749 | 64·7 | 13th .. .. | 3,206·24 | 773 | 66·8 |
| 14th .. .. | 3,206·50 | 964 | 83·3 | 14th .. .. | 3,205·98 | 609 | 52·6 |
| 15th .. .. | 3,206·51 | 955 | 82·5 | 15th .. .. | 3,205·88 | 571 | 49·3 |
| 16th .. .. | 3,206·78 | 1,120 | 96·8 | 16th .. .. | 3,205·67 | 452 | 39·0 |
| 17th .. .. | 3,207·32 | 1,686 | 145·7 | 17th .. .. | 3,205·67 | 456 | 39·4 |
| 18th .. .. | 3,207·08 | 1,341 | 115·9 | 18th .. .. | 3,205·94 | 600 | 51·8 |
| 19th .. .. | 3,207·67 | 1,959 | 169·3 | 19th .. .. | 3,206·09 | 714 | 61·7 |
| 20th .. .. | 3,207·05 | 1,348 | 116·5 | 20th .. .. | 3,206·06 | 673 | 58·1 |
| 21st .. .. | 3,206·24 | 726 | 62·7 | 21st .. .. | 3,205·99 | 634 | 54·8 |
| 22nd .. .. | 3,205·68 | 462 | 39·9 | 22nd .. .. | 3,206·29 | 806 | 69·6 |
| 23rd .. .. | 3,205·56 | 395 | 34·1 | 23rd .. .. | 3,206·33 | 848 | 73·3 |
| 24th .. .. | 3,205·58 | 418 | 36·1 | 24th .. .. | 3,207·02 | 1,358 | 117·3 |
| 25th .. .. | 3,206·19 | 767 | 66·3 | 25th .. .. | 3,207·61 | 1,814 | 156·7 |
| 26th .. .. | 3,206·36 | 870 | 75·2 | 26th .. .. | 3,208·15 | 2,322 | 200·6 |
| 27th .. .. | 3,206·41 | 902 | 77·9 | 27th .. .. | 3,208·26 | 2,492 | 215·3 |
| 28th .. .. | 3,206·51 | 989 | 85·4 | 28th .. .. | 3,207·80 | 1,895 | 163·7 |
| 29th .. .. | 3,206·56 | 1,006 | 86·9 | 29th .. .. | 3,207·60 | 1,725 | 149·0 |
| 30th .. .. | 3,206·36 | 860 | 74·3 | 30th .. .. | 3,206·56 | 1,549 | 133·8 |
| | | | | 31st .. .. | 3,206·91 | 1,231 | 106·4 |
| Total .. | .. | .. | 1,681·4 or 1,680 | Total .. | .. | .. | 2,451·9 or 2,450 |

Zero of gauge = + 3,204·30.

* Gauge reading not given.

† Half-a-day, till 6 p.m.

*Note.*—The mean daily reading is the average of four readings of the corrected value of 'h' taken in every 24 hours—at 6 a.m., noon, 6 p.m. and 6 a.m. on the following day:—The corrected values of 'h' have been obtained by adding to the readings at the weir gauge, one-third the difference of readings at the measuring weir and those at 200' above the weir for gauges up to 0·6' and half the difference for the gauges between 0·6' and 1·5' and two-thirds the difference for gauges over 1·5'.

Gauge readings and discharges of the Pambiyar river—*cont.*

| Day. (1) | | | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of c.ft. (4) | Day. (1) | | | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of c. ft. (4) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SEPTEMBER 1912. | | | | | | NOVEMBER 1912. | | |
| 1st | .. | .. | 3,206·51 | 937 | 81·0 | 1st | .. | .. | 3,206·15 | 715 | 61·8 |
| 2nd | .. | .. | 3,206·32 | 828 | 71·5 | 2nd | .. | .. | 3,205·74 | 484 | 41·8 |
| 3rd | .. | .. | 3,206·20 | 755 | 65·2 | 3rd | .. | .. | 3,205·48 | 328 | 28·3 |
| 4th | .. | .. | 3,206·02 | 644 | 55·6 | 4th | .. | .. | 3,205·41 | 280 | 24·2 |
| 5th | .. | .. | 3,205·81 | 520 | 44·9 | 5th | .. | .. | 3,205·20 | 238 | 20·6 |
| 6th | .. | .. | 3,205·54 | 389 | 33·6 | 6th | .. | .. | 3,205·16 | 223 | 19·3 |
| 7th | .. | .. | 3,205·36 | 309 | 26·7 | 7th | .. | .. | 3,205·09 | 196 | 16·9 |
| 8th | .. | .. | 3,205·35 | 295 | 25·5 | 8th | .. | .. | 3,205·05 | 180 | 15·6 |
| 9th | .. | .. | 3,205·30 | 283 | 24·5 | 9th | .. | .. | 3,204·96 | 145 | 12·5 |
| 10th | .. | .. | 3,205·32 | 295 | 25·5 | 10th | .. | .. | 3,204·94 | 143 | 12·4 |
| 11th | .. | .. | 3,205·22 | 247 | 21·3 | 11th | .. | .. | 3,204·96 | 149 | 12·9 |
| 12th | .. | .. | 3,204·96 | 149 | 12·9 | 12th | .. | .. | 3,204·92 | 137 | 11·8 |
| 13th | .. | .. | 3,204·91 | 138 | 11·9 | 13th | .. | .. | 3,204·98 | 156 | 13·4 |
| 14th | .. | .. | 3,204·92 | 141 | 12·2 | 14th | .. | .. | 3,205·24 | 258 | 22·3 |
| 15th | .. | .. | 3,204·96 | 143 | 12·4 | 15th | .. | .. | 3,205·44 | 360 | 31·1 |
| 16th | .. | .. | 3,204·83 | 106 | 9·2 | 16th | .. | .. | 3,205·32 | 283 | 24·5 |
| 17th | .. | .. | 3,204·84 | 113 | 9·8 | 17th | .. | .. | 3,205·36 | 312 | 27·0 |
| 18th | .. | .. | 3,204·88 | 121 | 10·5 | 18th | .. | .. | 3,205·23 | 245 | 21·2 |
| 19th | .. | .. | 3,204·89 | 122 | 10·5 | 19th | .. | .. | 3,206·07 | 759 | 65·6 |
| 20th | .. | .. | 3,205·02 | 175 | 15.1 | 20th | .. | .. | 3,208·27 | 2,432 | 210·1 |
| 21st | .. | .. | 3,205·34 | 292 | 25·2 | 21st | .. | .. | 3,207·97 | 2,115 | 182·7 |
| 22nd | .. | .. | 3,205·45 | 346 | 29·9 | 22nd | .. | .. | 3,207·49 | 1,696 | 146·5 |
| 23rd | .. | .. | 3,205·13 | 213 | 18·4 | 23rd | .. | .. | 3,207·32 | 1,555 | 134·4 |
| 24th | .. | .. | 3,205·05 | 184 | 15·9 | 24th | .. | .. | 3,206·99 | 1,288 | 111·3 |
| 25th | .. | .. | 3,205·08 | 196 | 16·9 | 25th | .. | .. | 3,206·89 | 1,227 | 106·0 |
| 26th | .. | .. | 3,205·22 | 265 | 22·9 | 26th | .. | .. | 3,206·59 | 1,001 | 86·5 |
| 27th | .. | .. | 3,205·20 | 242 | 20·9 | 27th | .. | .. | 3,207·37 | 861 | 74·4 |
| 28th | .. | .. | 3,205·46 | 350 | 30·2 | 28th | .. | .. | 3,206·22 | 762 | 65·8 |
| 29th | .. | .. | 3,205·71 | 466 | 40·3 | 29th | .. | .. | 3,206·07 | 672 | 58·1 |
| 30th | .. | .. | 3,205·31 | 285 | 24·6 | 30th | .. | .. | 3,205·99 | 627 | 54·2 |
| | Total | .. | .. | .. | 825·0 or 830 | | Total | .. | .. | .. | 1,713·2 or 1,710 |
| | | | OCTOBER 1912. | | | | | | DECEMBER 1912. | | |
| 1st | .. | .. | 3,205·22 | 247 | 21·3 | 1st | .. | .. | 3,205·84 | 540 | 46·7 |
| 2nd | .. | .. | 3,205·16 | 225 | 19·4 | 2nd | .. | .. | 3,205·41 | 315 | 27·2 |
| 3rd | .. | .. | 3,205·26 | 273 | 23·6 | 3rd | .. | .. | 3,205·17 | 227 | 19·6 |
| 4th | .. | .. | 3,205·97 | 700 | 60·5 | 4th | .. | .. | 3,205·03 | 174 | 15·0 |
| 5th | .. | .. | 3,206·51 | 931 | 80·4 | 5th | .. | .. | 3,204·97 | 153 | 13·2 |
| 6th | .. | .. | 3,206·40 | 884 | 76·4 | 6th | .. | .. | 3,204·92 | 135 | 11·7 |
| 7th | .. | .. | 3,206·51 | 974 | 84·2 | 7th | .. | .. | 3,204·75 | 121 | 10·5 |
| 8th | .. | .. | 3,206·85 | 1,222 | 105·6 | 8th | .. | .. | 3,204·83 | 108 | 9·3 |
| 9th | .. | .. | 3,206·99 | 1,296 | 112·0 | 9th | .. | .. | 3,204·81 | 101 | 8·7 |
| 10th | .. | .. | 3,206·95 | 1,248 | 107·8 | 10th | .. | .. | 3,204·78 | 93 | 8·0 |
| 11th | .. | .. | 3,207·40 | 1,627 | 140·6 | 11th | .. | .. | 3,204·75 | 83 | 7·2 |
| 12th | .. | .. | 3,207·04 | 1,296 | 112·0 | 12th | .. | .. | 3,204·71 | 74 | 6·4 |
| 13th | .. | .. | 3,206·51 | 937 | 81·0 | 13th | .. | .. | 3,204·70 | 71 | 6·1 |
| 14th | .. | .. | 3,206·21 | 755 | 65·2 | 14th | .. | .. | 3,204·70 | 72 | 6·2 |
| 15th | .. | .. | 3,205·99 | 631 | 54·5 | 15th | .. | .. | 3,204·70 | 72 | 6·2 |
| 16th | .. | .. | 3,205·88 | 566 | 48·9 | 16th | .. | .. | 3,204·69 | 70 | 6·0 |
| 17th | .. | .. | 3,205·90 | 583 | 50·4 | 17th | .. | .. | 3,204·72 | 77 | 6·7 |
| 18th | .. | .. | 3,206·29 | 828 | 71·5 | 18th | .. | .. | 3,205·10 | 223 | 19·3 |
| 19th | .. | .. | 3,206·31 | 832 | 71·9 | 19th | .. | .. | 3,206·21 | 803 | 69·4 |
| 20th | .. | .. | 3,206·09 | 675 | 58·3 | 20th | .. | .. | 3,206·23 | 750 | 64·8 |
| 21st | .. | .. | 3,205·95 | 604 | 52·2 | 21st | .. | .. | 3,205·77 | 511 | 44·2 |
| 22nd | .. | .. | 3,306·02 | 663 | 57·3 | 22nd | .. | .. | 3,205·56 | 397 | 34·3 |
| 23rd | .. | .. | 3,206·19 | 753 | 65·1 | 23rd | .. | .. | 3,205·75 | 495 | 42·8 |
| 24th | .. | .. | 3,206·24 | 784 | 67·7 | 24th | .. | .. | 3,205·62 | 428 | 37·0 |
| 25th | .. | .. | 3,206·19 | 742 | 64·1 | 25th | .. | .. | 3,205·45 | 347 | 30·0 |
| 26th | .. | .. | 3,205·95 | 602 | 52·0 | 26th | .. | .. | 3,205·33 | 298 | 25·7 |
| 27th | .. | .. | 3,205·96 | 627 | 54·2 | 27th | .. | .. | 3,205·27 | 269 | 23·2 |
| 28th | .. | .. | 3,206·41 | 898 | 77·6 | 28th | .. | .. | 3,205·23 | 254 | 21·9 |
| 29th | .. | .. | 3,207·93 | 2,087 | 180·3 | 29th | .. | .. | 3,205·17 | 227 | 19·6 |
| 30th | .. | .. | 3,207·13 | 1,385 | 119·7 | 30th | .. | .. | 3,205·07 | 186 | 16·1 |
| 31st | .. | .. | 3,206·71 | 900 | 77·8 | 31st | .. | .. | 3,204·95 | 142 | 12·3 |
| | Total | .. | .. | .. | 2,313·5 or 2,310 | | Total | .. | .. | .. | 675·3 or 680 |

Zero of gauge = + 3,204·30.

Note.—The mean daily reading is the average of four readings of the corrected value of 'h' taken in every 24 hours at 6 a.m., noon, 6. p.m. and 6 a.m. on the following day. The corrected values of 'h' have been obtained by adding to the readings at the weir gauge one-third the difference of readings at the measuring weir and those at 200' above the weir for gauges up to 0·6' and half the difference for gauges between 0·6' and 1·5' and two-thirds the difference for gauges over 1·5'.

Gauge readings and discharges of the Pambiyar river—*cont.*

**JANUARY 1913.**

| Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of c. ft. (4) |
|---|---|---|---|
| 1st .. .. | 3,204·88 | 122 | 10·5 |
| 2nd .. .. | 3,204·84 | 111 | 9·6 |
| 3rd .. .. | 3,204·82 | 103 | 8·9 |
| 4th .. .. | 3,204·79 | 94 | 8·1 |
| 5th .. .. | 3,204·74 | 82 | 7·1 |
| 6th .. .. | 3,204·68 | 67 | 5·8 |
| 7th .. .. | 3,204·68 | 67 | 5·8 |
| 8th .. .. | 3,204·66 | 61 | 5·3 |
| 9th .. .. | 3,204·64 | 57 | 4·9 |
| 10th .. .. | 3,204·61 | 48 | 4·1 |
| 11th .. .. | 3,204·56 | 37 | 3·2 |
| 12th .. .. | 3,204·55 | 35 | 3·0 |
| 13th .. .. | 3,204·55 | 35 | 3·0 |
| 14th .. .. | 3,204·57 | 39 | 3·4 |
| 15th .. .. | 3,204·55 | 36 | 3·1 |
| 16th .. .. | 3,204·57 | 41 | 3·5 |
| 17th .. .. | 3,204·69 | 68 | 5·9 |
| 18th .. .. | 3,204·69 | 68 | 5·9 |
| 19th .. .. | 3,204·68 | 66 | 5·7 |
| 20th .. .. | 3,204·67 | 63 | 5·4 |
| 21st .. .. | 3,204·65 | 59 | 5·1 |
| 22nd .. .. | 3,204·63 | 55 | 4·8 |
| 23rd .. .. | 3,204·62 | 50 | 4·3 |
| 24th .. .. | 3,204·66 | 61 | 5·3 |
| 25th .. .. | 3,204·77 | 95 | 8·2 |
| 26th .. .. | 3,204·80 | 99 | 8·6 |
| 27th .. .. | 3,204·78 | 93 | 8·0 |
| 28th .. .. | 3,204·71 | 71 | 6·1 |
| 29th .. .. | 3,204·66 | 61 | 5·3 |
| 30th .. .. | 3,204·68 | 68 | 5·9 |
| 31st .. .. | 3,204·71 | 75 | 6·5 |
| Total .. | .. | .. | 180·3 or 180 |

**MARCH 1913.**

| Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of c. ft. (4) |
|---|---|---|---|
| 1st .. .. | 3,204·47 | 19 | 1·6 |
| 2nd .. .. | 3,204·47 | 19 | 1·6 |
| 3rd .. .. | 3,204·46 | 18 | 1·6 |
| 4th .. .. | 3,204·46 | 18 | 1·6 |
| 5th .. .. | 3,204·46 | 18 | 1·6 |
| 6th .. .. | 3,204·48 | 20 | 1·7 |
| 7th .. .. | 3,204·50 | 25 | 2·2 |
| 8th .. .. | 3,204·48 | 20 | 1·7 |
| 9th .. .. | 3,204·46 | 18 | 1·6 |
| 10th .. .. | 3,204·47 | 19 | 1·6 |
| 11th .. .. | 3,204·47 | 19 | 1·6 |
| 12th .. .. | 3,204·48 | 20 | 1·7 |
| 13th .. .. | 3,204·48 | 22 | 1·9 |
| 14th .. .. | 3,204·48 | 20 | 1·7 |
| 15th .. .. | 3,204·46 | 17 | 1·5 |
| 16th .. .. | 3,204·45 | 17 | 1·5 |
| 17th .. .. | 3,204·47 | 18 | 1·6 |
| 18th .. .. | 3,204·47 | 20 | 1·7 |
| 19th .. .. | 3,204·50 | 26 | 2·2 |
| 20th .. .. | 3,204·49 | 23 | 2·0 |
| 21st .. .. | 3,204·48 | 21 | 1·8 |
| 22nd .. .. | 3,204·47 | 20 | 1·7 |
| 23rd .. .. | 3,204·46 | 18 | 1·6 |
| 24th .. .. | 3,204·45 | 8 | 0·7† |
| Total for 23½ days. | .. | .. | 40·0 or 40 |

Zero of gauge = + 3,204·30. † Half a day till 6 a.m. to 6 p.m.

**FEBRUARY 1913.**

| Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of c. ft. (4) |
|---|---|---|---|
| 1st .. .. | 3,204·79 | 98 | 8·5 |
| 2nd .. .. | 3,204·76 | 89 | 7·7 |
| 3rd .. .. | 3,204·69 | 69 | 6·0 |
| 4th .. .. | 3,204·67 | 64 | 5·5 |
| 5th .. .. | 3,204·65 | 59 | 5·1 |
| 6th .. .. | 3,204·62 | 50 | 4·3 |
| 7th .. .. | 3,204·58 | 43 | 3·7 |
| 8th .. .. | 3,204·54 | 34 | 2·9 |
| 9th .. .. | 3,204·53 | 30 | 2·6 |
| 10th .. .. | 3,204·53 | 32 | 2·8 |
| 11th .. .. | 3,204·51 | 27 | 2·3 |
| 12th .. .. | 3,204·51 | 26 | 2·2 |
| 13th .. .. | 3,204·51 | 27 | 2·3 |
| 14th .. .. | 3,204·51 | 27 | 2·3 |
| 15th .. .. | 3,204·52 | 28 | 2·4 |
| 16th .. .. | 3,204·52 | 29 | 2·5 |
| 17th .. .. | 3,204·51 | 26 | 2·2 |
| 18th .. .. | 3,204·50 | 24 | 2·1 |
| 19th .. .. | 3,204·50 | 24 | 2·1 |
| 20th .. .. | 3,204·52 | 28 | 2·4 |
| 21st .. .. | 3,204·51 | 26 | 2·2 |
| 22nd .. .. | 3,204·49 | 23 | 2·0 |
| 23rd .. .. | 3,204·48 | 22 | 1·9 |
| 24th .. .. | 3,204·48 | 21 | 1·8 |
| 25th .. .. | 3,204·48 | 21 | 1·8 |
| 26th .. .. | 3,204·50 | 24 | 2·1 |
| 27th .. .. | 3,204·49 | 23 | 2·0 |
| 28th .. .. | 3,204·48 | 21 | 1·8 |
| Total .. | .. | .. | 87·5 or 90 |

**APRIL 1913.**

| Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of c. ft. (4) |
|---|---|---|---|
| 1st .. .. | .. | .. | .. |
| 2nd .. .. | .. | .. | .. |
| 3rd .. .. | .. | .. | .. |
| 4th .. .. | .. | .. | .. |
| 5th .. .. | .. | .. | .. |
| 6th .. .. | .. | .. | .. |
| 7th .. .. | .. | .. | .. |
| 8th .. .. | .. | .. | .. |
| 9th .. .. | .. | .. | .. |
| 10th .. .. | .. | .. | .. |
| 11th .. .. | .. | .. | .. |
| 12th .. .. | .. | .. | .. |
| 13th .. .. | .. | .. | .. |
| 14th .. .. | .. | .. | .. |
| 15th .. .. | .. | .. | .. |
| 16th .. .. | .. | .. | .. |
| 17th .. .. | .. | .. | .. |
| 18th .. .. | .. | .. | .. |
| 19th .. .. | .. | .. | .. |
| 20th .. .. | .. | .. | .. |
| 21st .. .. | 3,204·54 | 33 | 2·8 |
| 22nd .. .. | 3,204·49 | 22 | 1·9 |
| 23rd .. .. | 3,204·45 | 15 | 1·3 |
| 24th .. .. | 3,204·50 | 31 | 2·7 |
| 25th .. .. | 3,204·58 | 42 | 3·6 |
| 26th .. .. | 3,204·53 | 29 | 2·5 |
| 27th .. .. | 3,204·50 | 25 | 2·2 |
| 28th .. .. | 3,204·48 | 22 | 1·9 |
| 29th .. .. | 3,204·49 | 22 | 1·9 |
| 30th .. .. | 3,204·46 | 18 | 1·6 |
| Total for ten days. | .. | .. | 22·4 or 20 |

Zero of gauge = + 3,204·30. Gauge readings not given from 1st to 20th April 1913.

*Note.*—The mean daily reading is the average of four readings of the corrected value, of 'h' taken in every 24 hours at 6 a.m., noon, 6 p.m. and 6 a.m. on the following day. The corrected values of 'h' have been obtained by adding to the readings at the weir gauge one-third the difference of readings at the measuring weir and those at 200' above the weir for gauges up to 0·6' and half the difference for gauges between 0·6' and 1·5' and two-thirds the difference for gauges over 1·5'.

Gauge readings and discharges of the Pambiyar river—*cont.*

| Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of c.ft. (4) | Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of c.ft. (4) |
|---|---|---|---|---|---|---|---|
| MAY 1913. | | | | JULY 1913. | | | |
| 1st .. .. | 3,204·41 | 9 | 0·80 | 1st .. .. | 3,204·95 | 146 | 12·6 |
| 2nd .. .. | 3,204·40 | 9 | 0·80 | 2nd .. .. | 3,205·05 | 190 | 16·4 |
| 3rd .. .. | 3,204·42 | 11 | 1·0 | 3rd .. .. | 3,205·56 | 416 | 35·9 |
| 4th .. .. | 3,204·45 | 16 | 1·4 | 4th .. .. | 3,205·83 | 547 | 47·3 |
| 5th .. .. | 3,204·45 | 15 | 1·3 | 5th .. .. | 3,205·70 | 472 | 40·8 |
| 6th .. .. | 3,204·44 | 14 | 1·2 | 6th .. .. | 3,205·57 | 405 | 35·0 |
| 7th .. .. | 3,204·46 | 18 | 1·6 | 7th .. .. | 3,205·54 | 402 | 34·7 |
| 8th .. .. | 3,204·49 | 23 | 2·0 | 8th .. .. | 3,206·40 | 977 | 84·4 |
| 9th .. .. | 3,204·49 | 22 | 1·9 | 9th .. .. | 3,206·38 | 865 | 74·7 |
| 10th .. .. | 3,204·48 | 20 | 1·7 | 10th .. .. | 3,206·34 | 843 | 72·8 |
| 11th .. .. | 3,204·47 | 19 | 1·6 | 11th .. .. | 3,206·08 | 675 | 58·3 |
| 12th .. .. | 3,204·48 | 21 | 1·8 | 12th .. .. | 3,205·84 | 546 | 47·2 |
| 13th .. .. | 3,204·48 | 21 | 1·8 | 13th .. .. | 3,205·74 | 490 | 42·3 |
| 14th .. .. | 3,204·46 | 18 | 1·6 | 14th .. .. | 3,205·66 | 455 | 39·3 |
| 15th .. .. | 3,204·45 | 16 | 1·4 | 15th .. .. | 3,206·62 | 1,193 | 103·1 |
| 16th .. .. | 3,204·43 | 13 | 1·1 | 16th .. .. | 3,208·45 | 2,816 | 243·3 |
| 17th .. .. | 3,204·42 | 11 | 1·0 | 17th .. .. | 3,208·51 | 2,768 | 239·2 |
| 18th .. .. | 3,204·40 | 9 | 0·8 | 18th .. .. | 3,208·84 | 1,603 | †138·5 |
| 19th .. .. | 3,204·40 | 9 | 0·8 | 19th* .. .. | .. | .. | .. |
| 20th .. .. | 3,204·43 | 13 | 1·1 | 20th* .. .. | .. | .. | .. |
| 21st .. .. | 3,204·44 | 15 | 1·3 | 21st* .. .. | .. | .. | .. |
| 22nd .. .. | 3,204·43 | 13 | 1·1 | 22nd .. .. | 3,207·96 | 2,060 | 178·0 |
| 23rd .. .. | 3,204·44 | 14 | 1·2 | 23rd .. .. | 3,207·38 | 1,556 | 134·4 |
| 24th .. .. | 3,204·44 | 14 | 1·2 | 24th .. .. | 3,207·10 | 1,443 | 124·7 |
| 25th .. .. | 3,204·47 | 19 | 1·6 | 25th .. .. | 3,207·18 | 1,441 | 124·5 |
| 26th .. .. | 3,204·51 | 26 | 2·2 | 26th .. .. | 3,207·60 | 1,888 | 163·1 |
| 27th .. .. | 3,204·55 | 35 | 3·0 | 27th .. .. | 3,206·92 | 1,213 | 104·8 |
| 28th .. .. | 3,204·64 | 59 | 5·1 | 28th .. .. | 3,206·84 | 1,187 | 102·6 |
| 29th .. .. | 3,204·60 | 47 | 4·1 | 29th .. .. | 3,207·09 | 1,485 | 128·3 |
| 30th .. .. | 3,204·64 | 57 | 4·9 | 30th .. .. | 3,208·56 | 2,967 | 256·3 |
| 31st .. .. | 3,204·69 | 35 | 3·0 | 31st .. .. | 3,209·42 | 4,083 | 352·8 |
| Total for 30½ days. | .. | .. | 55·4 or 60 | Total for 27½ days. | .. | .. | 3,035·3 or 3,040 |
| JUNE 1913. | | | | AUGUST 1913. | | | |
| 1st .. .. | 3,204·76 | 86 | 7·4 | 1st .. .. | 3,208·33 | 2,440 | 210·8 |
| 2nd .. .. | 3,204·79 | 100 | 8·6 | 2nd .. .. | 3,207·49 | 1,584 | 136·9 |
| 3rd .. .. | 3,204·93 | 147 | 12·7 | 3rd .. .. | 3,206·47 | 895 | 77·3 |
| 4th .. .. | 3,205·71 | 579 | 50·0 | 4th .. .. | 3,205·97 | 621 | 53·6 |
| 5th .. .. | 3,206·45 | 941 | 81·3 | 5th .. .. | 3,205·83 | 541 | 46·7 |
| 6th .. .. | 3,206·81 | 1,175 | 101·5 | 6th .. .. | 3,205·64 | 432 | 37·3 |
| 7th .. .. | 3,206·84 | 840 | 72·6 | 7th .. .. | 3,205·46 | 344 | 29·7 |
| 8th .. .. | 3,206·05 | 649 | 56·1 | 8th .. .. | 3,205·26 | 261 | 22·6 |
| 9th .. .. | 3,205·71 | 468 | 40·4 | 9th .. .. | 3,205·17 | 228 | 19·7 |
| 10th .. .. | 3,205·51 | 377 | 32·6 | 10th .. .. | 3,205·12 | 210 | 18·1 |
| 11th .. .. | 3,205·60 | 425 | 36·7 | 11th .. .. | 3,205·13 | 215 | 18·6 |
| 12th .. .. | 3,206·56 | 1,042 | 90·0 | 12th .. .. | 3,205·03 | 172 | 14·9 |
| 13th .. .. | 3,206·79 | 1,155 | 99·8 | 13th .. .. | 3,204·98 | 157 | 13·6 |
| 14th .. .. | 3,206·38 | 870 | 75·2 | 14th .. .. | 3,205·04 | 180 | 15·6 |
| 15th .. .. | 3,206·07 | 647 | 55·9 | 15th .. .. | 3,205·15 | 227 | 19·6 |
| 16th .. .. | 3,205·91 | 643 | 55·6 | 16th .. .. | 3,205·06 | 185 | 16·0 |
| 17th .. .. | 3,205·65 | 437 | 37·8 | 17th .. .. | 3,205·08 | 192 | 16·6 |
| 18th .. .. | 3,205·35 | 304 | 26·3 | 18th .. .. | 3,205·33 | 308 | 26·6 |
| 19th .. .. | 3,205·22 | 245 | 21·2 | 19th .. .. | 3,206·00 | 672 | 58·1 |
| 20th .. .. | 3,204·93 | 133 | 11·5 | 20th .. .. | 3,206·50 | 918 | 79·3 |
| 21st .. .. | 3,204·82 | 103 | 8·9 | 21st .. .. | 3,206·04 | 649 | 56·0 |
| 22nd .. .. | 3,204·87 | 124 | 10·7 | 22nd .. .. | 3,206·01 | 640 | 55·3 |
| 23rd .. .. | 3,205·28 | 295 | 25·5 | 23rd .. .. | 3,206·05 | 673 | 58·1 |
| 24th .. .. | 3,205·35 | 305 | 26·4 | 24th .. .. | 3,206·04 | 653 | 56·4 |
| 25th .. .. | 3,205·42 | 335 | 28·9 | 25th .. .. | 3,205·97 | 622 | 53·7 |
| 26th .. .. | 3,205·24 | 249 | 21·5 | 26th .. .. | 3,205·89 | 569 | 49·2 |
| 27th .. .. | 3,205·13 | 213 | 18·4 | 27th .. .. | 3,205·67 | 450 | 38·9 |
| 28th .. .. | 3,205·03 | 174 | 15·0 | 28th .. .. | 3,205·53 | 379 | 32·7 |
| 29th .. .. | 3,204·94 | 144 | 12·4 | 29th .. .. | 3,205·61 | 424 | 36·6 |
| 30th .. .. | 3,205·02 | 174 | 15·0 | 30th .. .. | 3,205·54 | 392 | 33·9 |
| | | | | 31st .. .. | 3,205·60 | 421 | 36·4 |
| Total for the month. | .. | .. | 1,155·9 or 1,160 | Total for the month. | .. | .. | 1,438·8 or 1,440 |

NOTE.—The mean daily reading is the average of four readings of the corrected value of 'h' taken in every 24 hours at 6 a.m., noon 6 p.m and 6 a.m. on the following day. The corrected values of 'h' have been obtained by adding to the readings at the weir gauge one-third the difference of readings at the measuring weir and those at 200′ above the weir for gauges up to 0·6′ and half the difference for gauges between 0·6′ and 1·5′ and two-thirds the difference for gauges over 1·5′.

Zero of gauge = 3,204·30.

* Gauge readings not given.

† For half a day till 6 p.m.

Gauge readings and discharges of the Pambiyar river—*cont.*

| Day. (1) | Mean Daily Reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of cubic feet. (4) |
|---|---|---|---|
| **SEPTEMBER 1913.** | | | |
| 1st .. .. | 3,205·95 | 622 | 53·7 |
| 2nd .. .. | 3,206·01 | 639 | 55·2 |
| 3rd .. .. | 3,205·78 | 504 | 43·5 |
| 4th .. .. | 3,205·53 | 382 | 33·0 |
| 5th .. .. | 3,205·38 | 313 | 27·0 |
| 6th .. .. | 3,205·32 | 287 | 24·8 |
| 7th .. .. | 3,205·41 | 333 | 28·8 |
| 8th .. .. | 3,205·20 | 233 | 20·1 |
| 9th .. .. | 3,205·07 | 189 | 16·3 |
| 10th .. .. | 3,205·08 | 193 | 16·7 |
| 11th .. .. | 3,205·01 | 169 | 14·6 |
| 12th .. .. | 3,204·98 | 155 | 13·4 |
| 13th .. .. | 3,204·98 | 156 | 13·5 |
| 14th .. .. | 3,204·93 | 139 | 12·0 |
| 15th .. .. | 3,204·85 | 113 | 9·8 |
| 16th .. .. | 3,204·81 | 101 | 8·7 |
| 17th .. .. | 3,204·84 | 112 | 9·7 |
| 18th .. .. | 3,304·92 | 138 | 11·9 |
| 19th .. .. | 3,204·98 | 158 | 13·7 |
| 20th .. .. | 3,205·01 | 168 | 14·5 |
| 21st .. .. | 3,205·14 | 223 | 19·3 |
| 22nd .. .. | 3,205·49 | 376 | 32·5 |
| 23rd .. .. | 3,205·45 | 348 | 30·1 |
| 24th .. .. | 3,205·37 | 312 | 27·0 |
| 25th .. .. | 3,205·16 | 214 | 18·5 |
| 26th .. .. | 3,205·04 | 177 | 15·3 |
| 27th .. .. | 3,205·07 | 193 | 16·7 |
| 28th .. .. | 3,205·19 | 236 | 20·4 |
| 29th .. .. | 3,205·08 | 193 | 16·7 |
| 30th .. .. | 3,205·04 | 184 | 15·9 |
| Total .. | .. | .. | 654·3 or 650 |

| Day. (1) | Mean Daily Reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of cubic feet. (4) |
|---|---|---|---|
| **OCTOBER 1913.** | | | |
| 1st .. .. | 3,205·04 | 184 | 15·9 |
| 2nd .. .. | 3,205·07 | 192 | 16·6 |
| 3rd .. .. | 3,205·03 | 180 | 15·6 |
| 4th .. .. | 3,205·23 | 267 | 23·1 |
| 5th .. .. | 3,205·34 | 302 | 26·1 |
| 6th .. .. | 3,205·15 | 217 | 18·7 |
| 7th .. .. | 3,205·24 | 268 | 23·2 |
| 8th .. .. | 3,205·44 | 339 | 29·3 |
| 9th .. .. | 3,205·44 | 354 | 30·6 |
| 10th .. .. | 3,205·38 | 313 | 27·0 |
| 11th .. .. | 3,205·46 | 357 | 30·8 |
| 12th .. .. | 3,205·97 | 614 | 53·0 |
| 13th .. .. | 3,205·76 | 492 | 42·5 |
| 14th .. .. | 3,206·13 | 771 | 66·6 |
| 15th .. .. | 3,206·19 | 736 | 63·6 |
| 16th .. .. | 3,205·58 | 563 | 48·6 |
| 17th .. .. | 3,205·64 | 440 | 38·0 |
| 18th .. .. | 3,205·43 | 337 | 29·1 |
| 19th .. .. | 3,205·36 | 308 | 26·6 |
| 20th .. .. | 3,205·28 | 270 | 23·3 |
| 21st .. .. | 3,205·17 | 235 | 20·3 |
| 22nd .. .. | 3,205·06 | 181 | 15·6 |
| 23rd .. .. | 3,205·11 | 210 | 18·1 |
| 24th .. .. | 3,205·35 | 299 | 25·8 |
| 25th .. .. | 3,205·31 | 286 | 24·7 |
| 26th .. .. | 3,205·43 | 351 | 30·2 |
| 27th .. .. | 3,206·01 | 650 | 56·2 |
| 28th .. .. | 3,206·05 | 672 | 58·1 |
| 29th .. .. | 3,206·93 | 1318 | 113·9 |
| 30th .. .. | 3,207·13 | 1414 | 122·2 |
| 31st .. .. | 3,207·07 | 1459 | 126·1 |
| Total .. | .. | | 1259·5 or 1260 |

| Day. (1) | Mean Daily Reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of cubic feet. (4) |
|---|---|---|---|
| **NOVEMBER 1913.** | | | |
| 1s .. .. | 3,206·89 | 1,209 | 104·5 |
| 2nd .. .. | 3,209·89 | 1,259 | 108·8 |
| 3rd .. .. | 3,206·61 | 991 | 85·6 |
| 4th .. .. | 3,206·37 | 857 | 74·0 |
| 5th .. .. | 3,206·16 | 726 | 62·7 |
| 6th .. .. | 3,205·73 | 481 | 41·6 |
| 7th .. .. | 3,205·54 | 395 | 34·1 |
| 8th .. .. | 3,205·48 | 359 | 31·0 |
| 9th .. .. | 3,205·50 | 383 | 33·1 |
| 10th .. .. | 3,205·51 | 380 | 32·8 |
| 11th .. .. | 3,205·69 | 466 | 40·3 |
| 12th .. .. | 3,205·94 | 562 | 48·6 |
| 13th .. .. | 3,205·37 | 305 | 26·4 |
| 14th .. .. | 3,205·23 | 259 | 22·4 |
| 15th .. .. | 3,205·12 | 205 | 17·7 |
| 16th .. .. | 3,205·06 | 189 | 16·3 |
| 17th .. .. | 3,205·02 | 174 | 15·0 |
| 18th .. .. | 3,205·01 | 168 | 14·5 |
| 19th .. .. | 3,205·00 | 161 | 13·9 |
| 20th .. .. | 3,205·04 | 177 | 15·3 |
| 21st .. .. | 3,204·94 | 141 | 12·2 |
| 22nd .. .. | 3,204·87 | 120 | 10·4 |
| 23rd .. .. | 3,204·82 | 104 | 9·0 |
| 24th .. .. | 3,204·77 | 91 | 7·9 |
| 25th .. .. | 3,204·83 | 108 | 9·3 |
| 26th .. .. | 3,204·82 | 103 | 8·9 |
| 27th .. .. | 3,204·85 | 113 | 9·8 |
| 28th .. .. | 3,204·89 | 124 | 10·7 |
| 29th .. .. | 3,204·84 | 108 | 9·3 |
| 30th .. .. | 3,204·82 | 104 | 9·0 |
| 31st .. .. | .. | .. | .. |
| Total .. | .. | .. | 935·3 or 940 |

| Day. (1) | Mean Daily Reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of cubic feet. (4) |
|---|---|---|---|
| **DECEMBER 1913.** | | | |
| 1st .. .. | 3,204·99 | 166 | 14·3 |
| 2nd .. .. | 3,205·08 | 198 | 17·1 |
| 3rd .. .. | 3,205·07 | 190 | 16·4 |
| 4th .. .. | 3,205·06 | 183 | 15·8 |
| 5th .. .. | 3,205·02 | 173 | 14·9 |
| 6th .. .. | 3,205·06 | 191 | 16·5 |
| 7th .. .. | 3,205·15 | 223 | 19·3 |
| 8th .. .. | 3,205·18 | 231 | 20·0 |
| 9th .. .. | 3,205·22 | 246 | 21·3 |
| 10th .. .. | 3,205·20 | 240 | 20·7 |
| 11th .. .. | 3,205·12 | 211 | 18·2 |
| 12th .. .. | 3,205·03 | 179 | 15·5 |
| 13th .. .. | 3,204·92 | 133 | 11·5 |
| 14th .. .. | 3,204·79 | 94 | 8·1 |
| 15th .. .. | 3,204·74 | 80 | 6·9 |
| 16th .. .. | 3,204·76 | 87 | 7·5 |
| 17th .. .. | 3,205·32 | 354 | 30·6 |
| 18th .. .. | 3,205·44 | 340 | 29·4 |
| 19th .. .. | 3,205·18 | 223 | 19·3 |
| 20th .. .. | 3,204·98 | 157 | 13·6 |
| 21st .. .. | 3,204·87 | 120 | 10·4 |
| 22nd .. .. | 3,204·80 | 100 | 8·6 |
| 23rd .. .. | 3,204·80 | 99 | 8·6 |
| 24th .. .. | 3,204·80 | 98 | 8·5 |
| 25th .. .. | 3,204·77 | 93 | 8·0 |
| 26th .. .. | 3,204·75 | 83 | 7·2 |
| 27th .. .. | 3,204·71 | 72 | 6·2 |
| 28th .. .. | 3,204·68 | 65 | 5·6 |
| 29th .. .. | 3,204·64 | 56 | 4·8 |
| 30th .. .. | 3,204·61 | 49 | 4·2 |
| 31st .. .. | 3,204·61 | 49 | 4·2 |
| Total .. | .. | .. | 413·2 410 |

Note.—Zero of gauge = + 3,204·30.

The mean daily readings is the average of four readings of the corrected value of 'h' taken in every 24 hours at 6 a.m., noon, 6 p.m. and 6 a.m. on the following day. The corrected values of 'h' have been obtained by adding to the readings at the weir gauge one-third the difference of reading at the measuring weir and those at 200′ above the weir for gauges up to 0·6′ and half the difference for gauges between 0·6′ and 1·5′ and two-thirds the difference for gauges over 1·5′.

Gauge readings and discharges of the Pambiyar river—*cont.*

**JANUARY 1914.**

| Dry. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of c. ft. (4) |
|---|---|---|---|
| 1st .. .. | 3,204·64 | 55 | 4·8 |
| 2nd .. .. | 3,204·65 | 60 | 5·2 |
| 3rd .. .. | 3,204·64 | 56 | 4·8 |
| 4th .. .. | 3,204·62 | 50 | 4·3 |
| 5th .. . | 3,204·61 | 49 | 4·2 |
| 6th .. .. | 3,204 61 | 50 | 4·3 |
| 7th .. .. | 3,204·61 | 50 | 4·3 |
| 8th .. .. | 3,304·61 | 49 | 4·2 |
| 9th .. .. | 3,204·60 | 46 | 4·0 |
| 10th .. .. | 3,204·59 | 44 | 3·8 |
| 11th .. .. | 3,204·58 | 42 | 3·6 |
| 12th .. .. | 3,204·60 | 47 | 4·1 |
| 13th .. .. | 3,204·60 | 47 | 4·1 |
| 14th .. .. | 3,204·59 | 44 | 3·8 |
| 15th .. .. | 3,204·57 | 38 | 3·3 |
| 16th .. .. | 3,204·51 | 26 | 2·2 |
| 17th .. .. | 3,204·46 | 17 | 1·5 |
| 18th .. .. | 3,204·40 | 8 | 0·7 |
| 19th .. .. | 3,204·36 | 4 | 0·3 |
| 20th .. .. | 3,204·34 | 2 | 0·2 |
| 21st .. .. | 3,204·32 | 0 | 0·0 |
| 22nd* .. .. | .. | .. | .. |
| 23rd* .. .. | .. | .. | .. |
| 24th* .. .. | .. | .. | .. |
| 25th* .. .. | .. | .. | .. |
| 26th* .. .. | .. | .. | .. |
| 27th* .. .. | .. | .. | .. |
| 28th* .. .. | .. | .. | .. |
| 29th* .. .. | .. | .. | .. |
| 30th* .. .. | .. | .. | .. |
| 31st* .. .. | .. | .. | .. |
| Total for 21 days. | .. | .. | 67·7 or 70 |

**FERRUARY 1914.**

| Dry. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of c. ft. (4) |
|---|---|---|---|
| 1st* .. .. | .. | .. | .. |
| 2nd* .. .. | .. | .. | .. |
| 3rd* .. .. | .. | .. | .. |
| 4th* .. .. | .. | .. | .. |
| 5th* .. .. | .. | .. | .. |
| 6th* .. .. | .. | .. | .. |
| 7th* .. .. | .. | .. | .. |
| 8th* .. .. | .. | .. | .. |
| 9th* .. .. | .. | .. | .. |
| 10th* .. .. | .. | .. | .. |
| 11th* .. .. | .. | .. | .. |
| 12th* .. .. | .. | .. | .. |
| 13th* .. .. | .. | .. | .. |
| 14th* .. .. | .. | .. | .. |
| 15th* .. .. | .. | .. | .. |
| 16th .. .. | 3,204·81 | 101 | 8·7 |
| 17th .. .. | 3,204·73 | 78 | 6·7 |
| 18th .. .. | 3,205·69 | 69 | 6·0 |
| 19th .. .. | 3,204·62 | 49 | 4.2 |
| 20th .. .. | 3,204·54 | 32 | 2·8 |
| 21st .. | 3,204·48 | 20 | 1·7 |
| 22nd .. .. | 3,204·42 | 11 | 1·0 |
| 23rd .. .. | 3,204·41 | 10 | 0·9 |
| 24th .. .. | 3,204·39 | 7 | 0·6 |
| 25th .. .. | 3,204·39 | 7 | 0·6 |
| 26th .. .. | 3,204·41 | 10 | 0·9 |
| 27th .. .. | 3,204·38 | 6 | 0·5 |
| 28th .. .. | 3,204-36 | 4 | 0·3 |
| Total for 13 days. | .. | .. | 34·9 or 30 |

**MARCH 1914.**

| Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of c. ft. (4) |
|---|---|---|---|
| 1st .. .. | 3,204·41 | 10 | 0·9 |
| 2nd .. .. | 3,204·38 | 6 | 0·5 |
| 3rd .. .. | 3,204·36 | 4 | 0·3 |
| 4th .. .. | 3,204·33 | 1 | 0·1 |
| 5th .. .. | .. | .. | .. |
| 6th .. .. | .. | .. | .. |
| 7th .. .. | 3,204·46 | 23 | 2·0 |
| 8th .. .. | 3,204·53 | 32 | 2·8 |
| 9th .. .. | 3,204·60 | 47 | 4·1 |
| 10th .. .. | 3,204·70 | 71 | 6·1 |
| 11th .. .. | 3,204·81 | 101 | 8·7 |
| 12th .. .. | 3,204·77 | 90 | 7·8 |
| 13th* .. .. | 3,204·67 | 66 | 5·7 |
| 14th .. .. | 3,204·67 | 64 | 5·5 |
| 15th .. . | 3,204·60 | 46 | 4 0 |
| 16th .. .. | 3,204·63 | 55 | 4·8 |
| 17th .. .. | 3,204·60 | 47 | 4·1 |
| 18th .. .. | 3,204 59 | 45 | 3·9 |
| 19th .. .. | 3,204·60 | 46 | 4·0 |
| 20th .. .. | 3,204·58 | 42 | 3·6 |
| 21st .. .. | 3,204·54 | 33 | 2·9 |
| 22nd .. .. | 3,204·56 | 37 | 3·2 |
| 23rd .. .. | 3,204 59 | 41 | 3·5 |
| 24th .. .. | 3,204·44 | 13 | 1·1 |
| 25th .. .. | 3,204·36 | 4 | 0·3 |
| 26th .. .. | 3,204·34 | 2 | 0·2 |
| 27th .. .. | 3,204·33 | 2 | 0·2 |
| 28th .. .. | 3,204·34 | 2 | 0·2 |
| 29th .. .. | 8,204·33 | 1 | 0·1 |
| 30th* .. .. | .. | .. | .. |
| 31st* .. .. | .. | .. | .. |
| Total for 27 days. | .. | .. | 80·6 or 80 |

**JUNE 1914.**

| Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of c. ft. (4) |
|---|---|---|---|
| 1st .. .. | 3,204.66 | 64 | 5·5 |
| 2nd .. .. | 3,204·71 | 74 | 6·4 |
| 3rd .. .. | 3,204·73 | 81 | 7·0 |
| 4th .. .. | 3,204·99 | 174 | 15·0 |
| 5th .. .. | 3,205·31 | 290 | 25·1 |
| 6th .. .. | 3,205.65 | 472 | 40·8 |
| 7th .. .. | 3,205·15 | 223 | 19·3 |
| 8th .. .. | 3,204·77 | 92 | 7·9 |
| 9th .. .. | 3,204·71 | 73 | 6·3 |
| 10th .. .. | 3,204·79 | 103 | 8·9 |
| 11th .. . | 3,204·79 | 94 | 8·1 |
| 12th .. .. | 3,204·80 | 97 | 8·4 |
| 13th .. .. | 3,205·21 | 281 | 24·3 |
| 14th .. .. | 3,205·29 | 293 | 25·3 |
| 15th .. .. | 3,205·31 | 291 | 25·1 |
| 16th .. .. | 3,205·22 | 245 | 21·2 |
| 17th .. .. | 3,205·00 | 164 | 14·2 |
| 18th .. .. | 3,205·08 | 199 | 17·2 |
| 19th .. .. | 3,205·24 | 251 | 21·7 |
| 20th .. .. | 3,205·43 | 355 | 30·7 |
| 21st .. .. | 3,206·10 | 700 | 60·5 |
| 22nd .. .. | 3,206·23 | 743 | 64·2 |
| 23rd .. .. | 3,205·99 | 631 | 54·5 |
| 24th .. .. | 3,205·77 | 475 | 41·0 |
| 25th .. .. | 3,206·56 | 1,037 | 89·6 |
| 26th .. .. | 3,206·89 | 1,290 | 111·5 |
| 27th .. .. | 3,207·26 | 1,549 | 133·8 |
| 28th .. .. | 3,206·93 | 1,242 | 107·3 |
| 29th .. .. | 3,206·61 | 1,034 | 89·3 |
| 30th .. .. | 3,206·40 | 881 | 76·1 |
| Total .. | .. | .. | 1,167·2 or 1,170 |

Note.—Zero of gauge = + 3,204·30.

The mean daily reading is the average of four readings of the corrected value of 'h' taken in every 24 hours—at 6 a.m., noon, 6 p.m. and 6 a.m. on the following day. The corrected values, of 'h' have been obtained by adding to the readings at the weir gauge one-third the difference of readings at the measuring weir, and those at 200′ above the weir for gauges up to 0·6′ and half the difference for gauges between 0·6′ and 1·5′ and two-thirds the difference for gauge over 1·5.′

* Gauge readings not given.

Gauge readings and discharges of the Pambiyar river—*cont.*

| Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of c. ft. (4) |
|---|---|---|---|
| **JULY 1914.** | | | |
| 1st .. .. | 3,206·19 | 760 | 65·7 |
| 2nd .. .. | 3,206·13 | 714 | 61·7 |
| 3rd .. .. | 3,205·99 | 637 | 55·0 |
| 4th .. .. | 3,206·45 | 953 | 82·3 |
| 5th .. .. | 3,207·43 | 1,694 | 146·4 |
| 6th .. .. | 3,208·03 | 2,455 | 212·1 |
| 7th .. .. | 3,207·05 | 1,299 | 112·2 |
| 8th .. .. | 3,206·80 | 1,171 | 101·2 |
| 9th .. .. | 3,207·29 | 1,624 | 140·3 |
| 10th .. .. | 3,207·61 | 1,792 | 154·8 |
| 11th .. .. | 3,208·11 | 2,295 | 198·3 |
| 12th .. .. | 3,207·93 | 2,045 | 176·7 |
| 13th .. .. | 3,207·29 | 1,516 | 131·0 |
| 14th .. .. | 3,206·77 | 1,117 | 96·5 |
| 15th .. .. | 3,206·75 | 1,065 | 92·0 |
| 16th .. .. | 3,206·47 | 900 | 77·8 |
| 17th .. .. | 3,206·09 | 683 | 59·0 |
| 18th .. .. | 3,206·29 | 832 | 71·9 |
| 19th .. .. | 3,206·75 | 1,145 | 98·9 |
| 20th .. .. | 3,206·58 | 1,027 | 88·7 |
| 21st .. .. | 3,206·82 | 1,229 | 106·2 |
| 22nd .. .. | 3,208·17 | 2,472 | 213·6 |
| 23rd .. .. | 3,209·02 | 3,531 | 305·1 |
| 24th .. .. | 3,209·02 | 3,423 | 295·7 |
| 25th .. .. | 3,209·02 | 3,394 | 293·2 |
| 26th .. .. | 3,208·64 | 2,908 | 251·3 |
| 27th .. .. | 3,208·19 | 2,302 | 198·9 |
| 28th .. .. | 3,207·79 | 1,929 | 166·7 |
| 29th .. .. | 3,207·11 | 1,339 | 115·7 |
| 30th .. .. | 3,206·60 | 1,017 | 87·9 |
| 31st .. .. | 3,206·40 | 884 | 76·4 |
| Total .. | .. | .. | 4,333·2 or 4,330 |
| **AUGUST 1914.** | | | |
| 1st .. .. | 3,206·31 | 825 | 71·3 |
| 2nd .. .. | 3,206·13 | 713 | 61·6 |
| 3rd .. .. | 3,206·01 | 644 | 55·6 |
| 4th .. .. | 3,205·97 | 619 | 53·5 |
| 5th .. .. | 3,205·78 | 513 | 44·3 |
| 6th .. .. | 3,205·30 | 282 | 24·4 |
| 7th .. .. | 3,205·22 | 253 | 21·9 |
| 8th .. .. | 3,205·11 | 204 | 17·6 |
| 9th .. .. | 3,205·03 | 175 | 15·1 |
| 10th .. .. | 3,204·96 | 152 | 13·1 |
| 11th .. .. | 3,205·01 | 171 | 14·8 |
| 12th .. .. | 3,205·22 | 268 | 23·2 |
| 13th .. .. | 3,205·88 | 649 | 56·1 |
| 14th .. .. | 3,206·64 | 1,254 | 108·3 |
| 15th .. .. | 3,206·58 | 995 | 86·0 |
| 16th .. .. | 3,207·17 | 1,452 | 125·5 |
| 17th .. .. | 3,207·80 | 1,889 | 163·2 |
| 18th .. .. | 3,206·84 | 1,140 | 98·5 |
| 19th .. .. | 3,206·27 | 796 | 68·8 |
| 20th .. .. | 3,206·09 | 683 | 59·0 |
| 21st .. .. | 3,205·97 | 616 | 53·2 |
| 22nd .. .. | 3,205·81 | 524 | 45·3 |
| 23rd .. .. | 3,205·70 | 474 | 41·0 |
| 24th .. .. | 3,205·58 | 411 | 35·5 |
| 25th .. .. | 3,205·50 | 375 | 32·4 |
| 26th .. .. | 3,205·44 | 344 | 29·7 |
| 27th .. .. | 3,205·43 | 342 | 29·5 |
| 28th .. .. | 3,205·41 | 334 | 28·9 |
| 29th .. .. | 3,205·37 | 312 | 27·0 |
| 30th .. .. | 3,205·33 | 299 | 25·8 |
| 31st .. .. | 3,205·29 | 275 | 23·8 |
| Total .. | .. | .. | 1,553·9 or 1,550 |
| **SEPTEMBER 1914.** | | | |
| 1st .. .. | 3,205·27 | 271 | 23·4 |
| 2nd .. .. | 3,205·35 | 310 | 26·8 |
| 3rd .. .. | 3,205·42 | 341 | 29·5 |
| 4th .. .. | 3,205·45 | 354 | 30·6 |
| 5th .. .. | 3,205·53 | 389 | 33·6 |
| 6th .. .. | 3,205·56 | 404 | 34·9 |
| 7th .. .. | 3,205·56 | 403 | 34·8 |
| 8th .. .. | 3,205·54 | 397 | 34·3 |
| 9th .. .. | 3,205·53 | 392 | 33·9 |
| 10th .. .. | 3,205·59 | 417 | 36·0 |
| 11th .. .. | 3,205·72 | 494 | 42·7 |
| 12th .. .. | 3,205·91 | 593 | 51·2 |
| 13th .. .. | 3,205·93 | 594 | 51·3 |
| 14th .. .. | 3,206·00 | 646 | 55·8 |
| 15th .. .. | 3,206·00 | 635 | 54·9 |
| 16th .. .. | 3,205·90 | 580 | 50·1 |
| 17th .. .. | 3,205·80 | 524 | 45·3 |
| 18th .. .. | 3,205·70 | 474 | 41·0 |
| 19th .. .. | 3,205·59 | 413 | 35·7 |
| 20th .. .. | 3,205·53 | 387 | 33·4 |
| 21st .. .. | 3,205·46 | 353 | 30·5 |
| 22nd .. .. | 3,205·28 | 271 | 23·4 |
| 23rd .. .. | 3,205·08 | 190 | 16·4 |
| 24th .. .. | 3,205·01 | 169 | 14·6 |
| 25th .. .. | 3,205·25 | 469 | 40·5 |
| 26th .. .. | 3,205·80 | 530 | 45·8 |
| 27th .. .. | 3,205·55 | 391 | 33·8 |
| 28th .. .. | 3,205·34 | 298 | 25·7 |
| 29th .. .. | 3,205·08 | 189 | 16·3 |
| 30th .. .. | 3,204·98 | 158 | 13·7 |
| Total .. | .. | .. | 1,039·9 or 1,040 |
| **OCTOBER 1914.** | | | |
| 1st .. .. | 3,205·17 | 260 | 22·5 |
| 2nd .. .. | 3,205·21 | 253 | 21·9 |
| 3rd .. .. | 3,205·21 | 270 | 23·3 |
| 4th .. .. | 3,205·13 | 366 | 31·6 |
| 5th .. .. | 3,205·52 | 389 | 33·6 |
| 6th .. .. | 3,205·80 | 530 | 45·8 |
| 7th .. .. | 3,205·96 | 610 | 52·7 |
| 8th .. .. | 3,205·80 | 526 | 45·4 |
| 9th .. .. | 3,205·71 | 476 | 41·1 |
| 10th .. .. | 3,205·66 | 455 | 39·3 |
| 11th .. .. | 3,205·58 | 407 | 35·2 |
| 12th .. .. | 3,205·50 | 375 | 32·4 |
| 13th .. .. | 3,205·61 | 431 | 37·2 |
| 14th .. .. | 3,206·00 | 628 | 54·3 |
| 15th .. .. | 3,205·75 | 496 | 42·9 |
| 16th .. .. | 3,205·45 | 338 | 29·2 |
| 17th .. .. | 3,205·15 | 213 | 18·4 |
| 18th .. .. | 3,205·08 | 191 | 16·5 |
| 19th .. .. | 3,204·95 | 146 | 12·6 |
| 20th .. .. | 3,204·92 | 137 | 11·8 |
| 21st .. .. | 3,204·86 | 116 | 10·0 |
| 22nd .. .. | 3,204·83 | 111 | 9·6 |
| 23rd .. .. | 3,204·95 | 150 | 12·7 |
| 24th .. .. | 3,205·13 | 200 | 17·3 |
| 25th .. .. | 3,204·98 | 156 | 13·5 |
| 26th .. .. | 3,204·98 | 157 | 13·6 |
| 27th .. .. | 3,204·88 | 140 | 12·1 |
| 28th .. .. | 3,205·23 | 277 | 23·9 |
| 29th .. .. | 3,205·62 | 460 | 39·7 |
| 30th .. .. | 3,205·83 | 548 | 47·8 |
| 31st .. .. | 3,205·93 | 607 | 52·4 |
| Total .. | .. | .. | 899·8 or 900 |

Zero of gauge = + 3,204·30.

*Note.*—The mean daily reading is the average of four readings of the corrected value of 'h' taken in every 24 hours at 6 a.m., noon, 6 p.m. and 6 a.m. on the following day. The corrected value of 'h' have been obtained by adding to the readings at the weir gauge one-third the difference of readings at the measuring weir and those at 200′ above the weir for gauges up to 0·6′ and half the difference for gauges between 0·6′ and 1·5′ and two-thirds the difference for gauges over 1·5′.

Gauge readings and discharges of the Pambiyar river—*cont.*

| Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of c.ft. (4) | Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in million of c.ft. (4) |
|---|---|---|---|---|---|---|---|
| NOVEMBER 1914. | | | | JANUARY 1915. | | | |
| 1st .. .. | 3,206·14 | 745 | 64·4 | 1st .. .. | 3,204·58 | 41 | 3·5 |
| 2nd .. .. | 3,206 09 | 692 | 59·8 | 2nd .. .. | 3,204·55 | 34 | 2·9 |
| 3rd .. .. | 3,206·03 | 658 | 56·9 | 3rd .. .. | 3,204·52 | 28 | 2·4 |
| 4th .. .. | 3,205·94 | 606 | 52·4 | 4th .. .. | 3,204·50 | 25 | 2·2 |
| 5th .. .. | 3,205·83 | 541 | 46·7 | 5th .. .. | 3,204·49 | 23 | 2·0 |
| 6th .. .. | 3,205·71 | 472 | 40·8 | 6th .. .. | 3,204·48 | 21 | 1·8 |
| 7th .. .. | 3,205·75 | 508 | 43·9 | 7th .. .. | 3,204·47 | 20 | 1·7 |
| 8th .. .. | 3,205·79 | 619 | 44·8 | 8th .. .. | 3,204·47 | 18 | 1·6 |
| 9th .. .. | 3,205·96 | 627 | 54·2 | 9th .. .. | 3,204·46 | 18 | 1·6 |
| 10th .. .. | 3,205·98 | 631 | 54·5 | 10th .. .. | 3,204·46 | 17 | 1·5 |
| 11th .. .. | 3,205·87 | 569 | 49 2 | 11th .. .. | 3,204·46 | 18 | 1·6 |
| 12th .. .. | 3,205·82 | 537 | 46·4 | 12th .. .. | 3,204·46 | 18 | 1·6 |
| 13th .. .. | 3,205·71 | 473 | 40·9 | 13th .. .. | 3,204 45 | 16 | 1·4 |
| 14th .. .. | 3,205·63 | 439 | 37·2 | 14th .. .. | 3,204·46 | 17 | 1·5 |
| 15th .. .. | 3,205·55 | 395 | 34·1 | 15th .. .. | 3,204·48 | 21 | 1·8 |
| 16th .. .. | 3,205·48 | 358 | 30 9 | 16th .. .. | 3,204·48 | 21 | 1·8 |
| 17th .. .. | 3,205·43 | 341 | 29·5 | 17th .. .. | 3,204·50 | 24 | 2·1 |
| 18th .. .. | 3,205·43 | 343 | 29·6 | 18th .. .. | 3,204·54 | 34 | 2·9 |
| 19th .. .. | 3,205·45 | 354 | 30·6 | 19th .. .. | 3,204·57 | 39 | 3·4 |
| 20th .. .. | 3,205·49 | 375 | 32·4 | 20th .. .. | 3,204·55 | 35 | 3·0 |
| 21st .. .. | 3,205·45 | 346 | 29·9 | 21st .. .. | 3,204·48 | 21 | 1·8 |
| 22nd .. .. | 3,205·38 | 319 | 27·6 | 22nd .. .. | 3,204·44 | 14 | 1·2 |
| 23rd .. .. | 3,205·39 | 325 | 28·1 | 23rd .. .. | 3,204·42 | 11 | 1·0 |
| 24th .. .. | 3,205·38 | 314 | 27·1 | 24th .. .. | 3,204·41 | 10 | 0·9 |
| 25th .. .. | 3,205·33 | 299 | 25·8 | 25th .. .. | 3,204·40 | 9 | 0·8 |
| 26th .. .. | 3,205·28 | 273 | 23·6 | 26th .. .. | 3,204·49 | 8 | 0·7 |
| 27th .. .. | 3,205·25 | 267 | 23·1 | 27th .. .. | 3,204·48 | 6 | 0·5 |
| 28th .. .. | 3,205·21 | 241 | 20·8 | 28th .. .. | 3,204·41 | 11 | 1·0 |
| 29th .. .. | 3,205·11 | 203 | 17·5 | 29th .. .. | 3,204·43 | 13 | 1·1 |
| 30th .. .. | 3,205·06 | 189 | 16·3 | 30th .. .. | 3,204·43 | 13 | 1·1 |
| | | | | 31st .. .. | 3,204·47 | 18 | 1·6 |
| Total .. | .. | .. | 1,119·0 or 1120 | Total .. | .. | .. | 54·0 or 50 |

| Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in millions of c.ft. (4) | Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in million of c.ft. (4) |
|---|---|---|---|---|---|---|---|
| DECEMBER 1914. | | | | FEBRUARY 1915. | | | |
| 1st .. .. | 3,205·08 | 197 | 17·0 | 1st .. .. | 3,204·43 | 13 | 1·1 |
| 2nd .. .. | 3,204·97 | 151 | 13·0 | 2nd .. .. | 3,204·41 | 10 | 0·9 |
| 3rd .. .. | 3,204·91 | 134 | 11·6 | 3rd .. .. | 3,204·41 | 10 | 0·9 |
| 4th .. .. | 3,204·99 | 164 | 14·2 | 4th .. .. | 3,204·42 | 12 | 1·0 |
| 5th .. .. | 3,205·11 | 204 | 17·6 | 5th .. .. | 3,204·40 | 9 | 0·8 |
| 6th .. .. | 3,205·16 | 220 | 19·0 | 6th .. .. | 3,204·48 | 25 | 2·2 |
| 7th .. .. | 3,205·51 | 379 | 32·7 | 7th .. .. | 3,204·66 | 63 | 5·4 |
| 8th .. .. | 3,205·51 | 367 | 31·7 | 8th .. .. | 3,204·63 | 52 | 4·5 |
| 9th .. .. | 3,205 45 | 352 | 30·4 | 9th .. .. | 3,204·59 | 42 | 3·6 |
| 10th .. .. | 3,205·59 | 407 | 35·2 | 10th .. .. | 3,204·59 | 43 | 3·7 |
| 11th .. .. | 3,205·46 | 346 | 30·0 | 11th .. .. | 3,204·55 | 34 | 2·9 |
| 12th .. .. | 3,205·37 | 315 | 27·2 | 12th .. .. | 3,204·49 | 23 | 2·0 |
| 13th .. .. | 3 205·53 | 424 | 36·6 | 13th .. .. | 3,204·48 | 20 | 1·7 |
| 14th .. .. | 3,205·43 | 324 | 28·0 | 14th .. .. | 3,204·46 | 18 | 1·6 |
| 15th .. .. | 3,205·13 | 206 | 17·8 | 15th .. .. | 3,204·45 | 16 | 1·4 |
| 16th .. .. | 3,204·98 | 159 | 13·7 | 16th .. .. | 3,204·44 | 15 | 1·3 |
| 17th .. .. | 3,204·89 | 127 | 11·0 | 17th .. .. | 3,204·43 | 13 | 1·1 |
| 18th .. .. | 3,204·84 | 109 | 9·4 | 18th .. .. | 3,204·43 | 13 | 1·1 |
| 19th .. .. | 3,204·78 | 91 | 7·9 | 19th .. .. | 3,204·42 | 11 | 1·0 |
| 20th .. .. | 3,204·72 | 76 | 6·6 | 20th .. .. | 3,204·41 | 10 | 0·9 |
| 21st .. .. | 3,204·69 | 67 | 5·8 | 21st .. .. | 3,204·41 | 9 | 0·8 |
| 22nd .. .. | 3,204·63 | 52 | 4·5 | 22nd .. .. | 3,204·41 | 10 | 0·9 |
| 23rd .. .. | 3,204·61 | 48 | 4·1 | 23rd .. .. | 3,204·41 | 10 | 0·9 |
| 24th .. .. | 3,204·62 | 52 | 4·5 | 24th .. .. | 3,204·42 | 11 | 1·0 |
| 25th .. .. | 3,204·69 | 72 | 6·2 | 25th .. .. | 3,204·41 | 10 | 0·9 |
| 26th .. .. | 3,204·68 | 65 | 5·6 | 26th .. .. | 3,204·40 | 9 | 0·8 |
| 27th .. .. | 3,204·62 | 52 | 4·5 | 27th .. .. | 3,204·41 | 10 | 0·9 |
| 28th .. .. | 3,204·61 | 50 | 4·3 | 28th .. .. | 3,204·43 | 14 | 1·2 |
| 29th .. .. | 3,204·60 | 46 | 4·0 | | | | |
| 30th .. .. | 3,204·59 | 43 | 3·7 | | | | |
| 31st .. .. | 3,204·59 | 43 | 3·7 | | | | |
| Total .. | .. | .. | 461·5 or 460 | Total .. | .. | .. | 46·5 or 50 |

Zero of gauge + = 3204·30.

*Note.*—The mean daily reading is the average of four readings of the corrected value of 'h' taken in every 24 hours—at 6 a.m., noon, 6 p.m. and 6 a.m. on the following day. The corrected values of 'h' have been obtained by adding to the readings at the weir gauge one-third the difference of readings at the measuring weir and those at 200′ above the weir for gauges up to 0·6′ and half the difference for gauges between 0·6′ and 1·5′ and two-thirds the difference for gauges over 1·5′.

Gauge readings and discharges of the Pambiyar river—*cont.*

| Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in million of c.ft. (4) | Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in million of c.ft. (4) |
|---|---|---|---|---|---|---|---|
| | MARCH 1915. | | | | MAY 1915. | | |
| 1st .. .. | 3,204·46 | 17 | 1·5 | 1st .. .. | 3,204·84 | 114 | 9·5 |
| 2nd .. .. | 3,204·67 | 13 | 1·1 | 2nd .. .. | 3,204·85 | 119 | 10·3 |
| 3rd .. .. | 3,205·25 | 257 | 22·2 | 3rd .. .. | 3,204·87 | 116 | 10·0 |
| 4th .. .. | 3,204·84 | 107 | 9·2 | 4th .. .. | 3,204·80 | 99 | 8·6 |
| 5th .. .. | 3,204·56 | 37 | 3·2 | 5th .. .. | 3,204·81 | 104 | 9·0 |
| 6th .. .. | 3,204·51 | 28 | 2 4 | 6th .. .. | 3,204·84 | 107 | 9·2 |
| 7th .. .. | 3,204·41 | 9 | 0·8 | 7th .. .. | 3,204·81 | 102 | 8·8 |
| 8th .. .. | 3,204·39 | 7 | 0·6 | 8th .. .. | 3,204·84 | 107 | 9·2 |
| 9th .. .. | 3,204·40 | 8 | 0·7 | 9th .. .. | 3,204·77 | 90 | 7·8 |
| 10th .. .. | 3,204·41 | 11 | 1·0 | 10th .. .. | 3,204·73 | 76 | 6·6 |
| 11th .. .. | 3,204·43 | 14 | 1·2 | 11th .. .. | 3,204·71 | 74 | 6·4 |
| 12th .. .. | 3,204·41 | 9 | 0·8 | 12th .. .. | 3,204·68 | 65 | 5·6 |
| 13th .. .. | 3,204·40 | 8 | 0·7 | 13th .. .. | 3,204·75 | 87 | 7·5 |
| 14th .. .. | 3,204·39 | 7 | 0·8 | 14th .. .. | 3,205·00 | 170 | 14·9 |
| 15th .. .. | 3,204·39 | 8 | 0·7 | 15th .. .. | 3,204·92 | 134 | 11·6 |
| 16th .. .. | 3,204·39 | 7 | 0·6 | 16th .. .. | 3,204·79 | 94 | 8·1 |
| 17th .. .. | 3,204·37 | 5 | 0·4 | 17th .. .. | 3,204·73 | 77 | 6·7 |
| 18th .. .. | 3,204·36 | 4 | 0·3 | 18th .. .. | 3,204·65 | 58 | 5·0 |
| 19th .. .. | 3,204·35 | 3 | 0·3 | 19th .. .. | 3,204·64 | 58 | 5·0 |
| 20th .. .. | 3,204·34 | 2 | 0·2 | 20th .. .. | 3,204·63 | 54 | 4·7 |
| 21st .. .. | 3,204·33 | 2 | 0·2 | 21st .. .. | 3,204·60 | 47 | 4·1 |
| 22nd .. .. | 3,204·34 | 2 | 0·2 | 22nd .. .. | 3,204·58 | 41 | 3·5 |
| 23rd .. .. | 3,204·33 | 1 | 0·1 | 23rd .. .. | 3,204·54 | 33 | 2·9 |
| 24th .. .. | 3,202·33 | 1 | 0·1 | 24th .. .. | 3,204·53 | 31 | 2·7 |
| 25th .. .. | 3,204·34 | 2 | 0·2 | 25th .. .. | 3,204·53 | 31 | 2·7 |
| 26th .. .. | 3,204·34 | 2 | 0·2 | 26th .. .. | 3,204·53 | 31 | 2·7 |
| 27th .. .. | 3,204·33 | 1 | 0·1 | 27th .. .. | 3,204·58 | 43 | 3·7 |
| 28th .. .. | 3,204·35 | 3 | 0·3 | 28th .. .. | 3,204·56 | 37 | 3·2 |
| 29th .. .. | 3,204·41 | 10 | 0·9 | 29th .. .. | 3·204·54 | 33 | 2·9 |
| 30th .. .. | 3,204·39 | 8 | 0·7 | 30th .. .. | 3,204·54 | 33 | 2·9 |
| 31st .. .. | 3,204 39 | 7 | 0·6 | 31st—½ day .. | 3,204·57 | 20 | 1·7 |
| Total for the month. | .. | .. | 52·3 or 50 | Total for 30½ days. | .. | .. | 197·8 or 200 |
| | APRIL 1915. | | | | JUNE 1915. | | |
| 1st .. .. | 3,204·38 | 6 | 0·5 | 1st .. .. | 3,204·56 | 38 | 3·3 |
| 2nd .. .. | 3,204·39 | 7 | 0·6 | 2nd .. .. | 3,204·59 | 44 | 3·8 |
| 3rd .. .. | 3,204·38 | 6 | 0·5 | 3rd .. .. | 3,204·59 | 45 | 3·9 |
| 4th .. .. | 3,204·37 | 5 | 0·4 | 4th .. .. | 3,204·63 | 55 | 4·8 |
| 5th .. .. | 3,204·36 | 4 | 0·3 | 5th .. .. | 3,204·64 | 56 | 4·8 |
| 6th .. .. | 3,204·35 | 3 | 0·3 | 6th .. .. | 3,204·67 | 63 | 5·4 |
| 7th .. .. | 3,204·35 | 3 | 0·3 | 7th .. .. | 3,204·68 | 66 | 5·7 |
| 8th .. .. | 3,204·35 | 3 | 0·3 | 8th .. .. | 3,204·66 | 61 | 5·3 |
| 9th .. .. | 3,204·39 | 8 | 0·7 | 9th .. .. | 3,204·66 | 64 | 5·5 |
| 10th .. .. | 3,204·50 | 25 | 2·2 | 10th .. .. | 3,204·65 | 58 | 5·0 |
| 11th .. .. | 3,204·49 | 23 | 2·0 | 11th .. .. | 3,204·61 | 50 | 4·3 |
| 12th .. .. | 3,204·43 | 12 | 1·0 | 12th .. .. | 3,204·65 | 59 | 5·1 |
| 13th .. .. | 3,204·38 | 6 | 0·5 | 13th .. .. | 3,204·73 | 83 | 7·2 |
| 14th .. .. | 3,204·36 | 4 | 0·3 | 14th .. .. | 3,204·95 | 154 | 13·3 |
| 15th .. .. | 3,204·55 | 41 | 3·5 | 15th .. .. | 3,206·09 | 764 | 66·0 |
| 16th .. .. | 3,205·00 | 162 | 14·0 | 16th .. .. | 3,207·12 | 1,420 | 122·7 |
| 17th .. .. | 3,204·88 | 120 | 10·4 | 17th .. .. | 3,207·45 | 1,674 | 144·6 |
| 18th .. .. | 3,204·62 | 49 | 4·2 | 18th .. .. | 3,207·28 | 1,499 | 129·5 |
| 19th .. .. | 3,204·52 | 28 | 2·4 | 19th .. .. | 3,207·38 | 1,612 | 139·3 |
| 20th .. .. | 3,204·52 | 29 | 2·5 | 20th .. .. | 3,207·91 | 2,194 | 189·6 |
| 21st .. .. | 3,204·55 | 35 | 3 0 | 21st .. .. | 3,207·64 | 1,826 | 157·8 |
| 22nd .. .. | 3,204 52 | 28 | 2·4 | 22nd .. .. | 3,208·10 | 2,420 | 209·1 |
| 23rd .. .. | 3,204·51 | 26 | 2·2 | 23rd .. .. | 3,211·03 | 6,880 | 594·4 |
| 24th .. .. | 3,204·52 | 28 | 2·4 | 24th .. .. | 3,211·41 | 7,194 | 621·6 |
| 25th .. .. | 3,204·51 | 27 | 2·3 | 25th .. .. | 3,210·43 | 5,593 | 483·2 |
| 26th .. .. | 3,204·55 | 35 | 3·0 | 26th .. .. | 3,210·20 | 5,175 | 447·1 |
| 27th .. .. | 3,204·61 | 51 | 4·4 | 27th .. .. | 3,210·16 | 5,073 | 438·3 |
| 28th .. .. | 3,204·71 | 76 | 6·6 | 28th .. .. | 3,210·28 | 5,405 | 467·0 |
| 29th .. .. | 3,204·75 | 87 | 7·5 | 29th .. .. | 3,210·37 | 5,469 | 472·5 |
| 30th .. .. | 3,204·77 | 91 | 7·9 | 30th .. .. | 3,210·16 | 5,047 | 436·1 |
| Total for the month. | .. | .. | 88·6 or 90 | Total for the month. | .. | .. | 5,196·2 or 5,200 |

Zero of gauge + 3,204·30.

*Note.*—The mean daily reading is the average of four readings of the corrected value of "h" taken in every 24 hours at 6 a.m., noon, 6 p.m. and 6 a.m. on the following day. The corrected values of "h" have been obtained by adding to the readings at the weir gauge, ⅓ the difference of readings at the measuring weir and those at 200′ above the weir for gauges up to 0 6′ and ½ the difference for gauges between 0·6′ and 1·5′ and ⅔ the difference for gauges over 1·5′.

Gauge readings and discharges of the Pambiyar river—*cont.*

**JULY 1915.**

| Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in million of c.ft. (4) |
|---|---|---|---|
| 1st | 3,209·73 | 4,282 | 370·0 |
| 2nd | 3,209·02 | 3,394 | 293·2 |
| 3rd | 3,208·64 | 2,950 | 254·9 |
| 4th | 3,208·06 | 2,185 | 188·8 |
| 5th | 3,207·45 | 1,663 | 143·7 |
| 6th | 3,207·10 | 1,347 | 116·4 |
| 7th | 3,206·99 | 1,340 | 115·8 |
| 8th | 3,206·81 | 1,157 | 100·0 |
| 9th | 3,206·71 | 1,082 | 93·5 |
| 10th | 3,207·09 | 1,010 | 87·3 |
| 11th | 3,206·51 | 965 | 83·4 |
| 12th | 3,206·72 | 1,127 | 97·4 |
| 13th | 3,206·80 | 1,152 | 99·6 |
| 14th | 3,206·99 | 1,323 | 114·3 |
| 15th | 3,207·37 | 1,644 | 142·0 |
| 16th | 3,207·76 | 1,961 | 169·4 |
| 17th | 3,208·46 | 2,795 | 241·5 |
| 18th | 3,208·84 | 3,261 | 281·8 |
| 19th | 3,209·02 | 3,477 | 300·4 |
| 20th | 3,209·49 | 4,234 | 365·8 |
| 21st | 3,209·91 | 4,659 | 402·5 |
| 22nd | 3,210·13 | 5,131 | 443·3 |
| 23rd | 3,210·29 | 5,434 | 469·5 |
| 24th | 3,209·49 | 3,997 | 345·3 |
| 25th | 3,208·94 | 3,284 | 283·7 |
| 26th | 3,209·06 | 3,446 | 297·7 |
| 27th | 3,208·84 | 3,208 | 277·2 |
| 28th | 3,208·57 | 2,819 | 243·6 |
| 29th | 3,208·16 | 2,264 | 195·6 |
| 30th | 3,207·99 | 2,142 | 185·1 |
| 31st | 3,208·01 | 2,158 | 186·5 |
| Total | .. | .. | 6,989·2 or 6,990 |

**AUGUST 1915.**

| Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in million of c.ft. (4) |
|---|---|---|---|
| 1st | 3,207·52 | 1,704 | 147·2 |
| 2nd | 3,207·42 | 1,640 | 141·7 |
| 3rd | 3,207·34 | 1,568 | 135·5 |
| 4th | 3,207·22 | 1,461 | 126·2 |
| 5th | 3,207·34 | 1,568 | 135·5 |
| 6th | 3,207·25 | 1,483 | 128·1 |
| 7th | 3,207·45 | 1,651 | 142·6 |
| 8th | 3,207·19 | 1,452 | 125·5 |
| 9th | 3,206·65 | 1,050 | 90·7 |
| 10th | 3,206·51 | 946 | 81·7 |
| 11th | 3,206·33 | 834 | 72·1 |
| 12th | 3,206·31 | 849 | 73·4 |
| 13th | 3,206·10 | 673 | 58·1 |
| 14th | 3,205·94 | 605 | 52·3 |
| 15th | 3,206·01 | 653 | 56·4 |
| 16th | 3,206·41 | 908 | 78·5 |
| 17th | 3,206·17 | 719 | 62·1 |
| 18th | 3,205·89 | 568 | 49·1 |
| 19th | 3,205·78 | 514 | 44·4 |
| 20th | 3,205·75 | 500 | 43·2 |
| 21st | 3,205·71 | 472 | 40·8 |
| 22nd | 3,205·61 | 424 | 36·6 |
| 23rd | 3,205·55 | 395 | 34·1 |
| 24th | 3,205·75 | 508 | 43·9 |
| 25th | 3,206·38 | 864 | 74·6 |
| 26th | 3,206·89 | 888 | 76·7 |
| 27th | 3,206·22 | 776 | 67·0 |
| 28th | 3,205·96 | 617 | 53·3 |
| 29th | 3,205·85 | 555 | 48·0 |
| 30th | 3,205·68 | 458 | 39·6 |
| 31st | 3,205·71 | 493 | 42·6 |
| Total | .. | .. | 2,401·5 or 2,400 |

**SEPTEMBER 1915.**

| Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in million of c.ft. (4) |
|---|---|---|---|
| 1st | 3,205·64 | 430 | 37·2 |
| 2nd | 3,205·47 | 355 | 30·7 |
| 3rd | 3,205·45 | 348 | 30·1 |
| 4th | 3,205·48 | 359 | 31·0 |
| 5th | 3,205·52 | 392 | 33·9 |
| 6th | 3,205·51 | 379 | 32·7 |
| 7th | 3,205·42 | 335 | 28·9 |
| 8th | 3,205·42 | 338 | 29·2 |
| 9th | 3,205·50 | 371 | 32·1 |
| 10th | 3,205·42 | 337 | 29·1 |
| 11th | 3,205·80 | 544 | 47·0 |
| 12th | 3,206·59 | 1,043 | 90·1 |
| 13th | 3,206·56 | 969 | 83·7 |
| 14th | 3,206·41 | 891 | 77 0 |
| 15th | 3,206·39 | 879 | 75·9 |
| 16th | 3,206·56 | 1,005 | 86·8 |
| 17th | 3,206·41 | 888 | 76·7 |
| 18th | 3,206·50 | 947 | 81·8 |
| 19th | 3,206·87 | 1,224 | 105·8 |
| 20th | 3,207·30 | 1,536 | 132·7 |
| 21st | 3,207·00 | 1 290 | 111·5 |
| 22nd | 3,206·87 | 1,203 | 103·9 |
| 23rd | 3,206·87 | 1,204 | 104·0 |
| 24th | 3,207·11 | 1,454 | 125·6 |
| 25th | 3,207·42 | 1,640 | 141·7 |
| 26th | 3,207·47 | 1,674 | 144·6 |
| 27th | 3,207·76 | 1,946 | 168·1 |
| 28th | 3,207·88 | 1,996 | 172·5 |
| 29th | 3,207·42 | 1,629 | 140·7 |
| 30th | 3,206·99 | 1,249 | 107·9 |
| Total | .. | .. | 2,492·9 or 2,490 |

**OCTOBER 1915.**

| Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in million of c.ft. (4) |
|---|---|---|---|
| 1st | 3,206·75 | 1,106 | 95·6 |
| 2nd | 3,206·54 | 972 | 84·0 |
| 3rd | 3,206·49 | 943 | 81·5 |
| 4th | 3,206·47 | 935 | 80·8 |
| 5th | 3,206·55 | 998 | 86·2 |
| 6th | 3,206·68 | 1,071 | 92·5 |
| 7th | 3,207·21 | 1,448 | 125·1 |
| 8th | 3,206·95 | 1,254 | 108·3 |
| 9th | 3,206·85 | 1,191 | 102·9 |
| 10th | 3,206·73 | 1,101 | 95·1 |
| 11th | 3,206·53 | 964 | 83·3 |
| 12th | 3,206·45 | 916 | 79·1 |
| 13th | 3,206·35 | 849 | 73·4 |
| 14th | 3,206·31 | 826 | 71·4 |
| 15th | 3,206·10 | 698 | 60·3 |
| 16th | 3,205·92 | 587 | 50·7 |
| 17th | 3,205·90 | 579 | 50·0 |
| 18th | 3,205·99 | 640 | 55·3 |
| 19th | 3,205·87 | 556 | 48·0 |
| 20th | 3,205·76 | 502 | 43·4 |
| 21st | 3,205·70 | 467 | 40·3 |
| 22nd | 3,205·66 | 452 | 39·1 |
| 23rd | 3,205·57 | 400 | 34·6 |
| 24th | 3,205·51 | 380 | 32·8 |
| 25th | 3,205·49 | 364 | 31·4 |
| 26th | 3,205·51 | 379 | 32·7 |
| 27th | 3,205·53 | 389 | 33·6 |
| 28th | 3,205·89 | 640 | 55·3 |
| 29th | 3,206·31 | 849 | 73·4 |
| 30th | 3,206·15 | 712 | 61·5 |
| 31st | 3,205·89 | 569 | 49·2 |
| Total | .. | .. | 2,050·8 or 2050 |

Zero of gauge + 3204·30.

*Note.*—The mean daily reading is the average of four readings of the corrected value of 'h' taken in every 24 hours at 6 a.m., noon, 6 p.m. and 6 a.m. on the following day. The corrected values of 'h' have been obtained by adding to the readings at the weir gauge one-third the difference of readings at the measuring weir and those at 200′ above the weir for gauge up to 0·6′ and half the difference for gauges between 0·6′ and 1·5′ and two-thirds the difference for gauges over 1·5′.

Gauge readings and discharges of the Pambiyar river—*cont.*

| Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in million of c.ft. (4) | Day. (1) | Mean daily reading. (2) | Discharge in cusecs. (3) | Discharge in 24 hours in million of c.ft. (4) |
|---|---|---|---|---|---|---|---|
| NOVEMBER 1915. | | | | DECEMBER 1915. | | | |
| 1st .. .. | 3,205·83 | 541 | 46·7 | 1st .. .. | 3,205·81 | 527 | 45·5 |
| 2nd .. .. | 3,205·73 | 482 | 41·6 | 2nd .. .. | 3,205·73 | 487 | 42·1 |
| 3rd .. .. | 3,205·68 | 456 | 39·4 | 3rd .. .. | 3,205·66 | 452 | 39·1 |
| 4th .. .. | 3,205·63 | 440 | 38·0 | 4th .. .. | 3,205·57 | 400 | 34·6 |
| 5th .. .. | 3,205·54 | 389 | 33·6 | 5th .. .. | 3,205·43 | 337 | 29·1 |
| 6th .. .. | 3,205·52 | 376 | 32·5 | 6th .. .. | 3,205·27 | 267 | 23·1 |
| 7th .. .. | 3,205·46 | 350 | 30·2 | 7th .. .. | 3,205·21 | 248 | 21·4 |
| 8th .. .. | 3,205·38 | 318 | 27·5 | 8th .. .. | 3,205·09 | 190 | 16·4 |
| 9th .. .. | 3,205·40 | 322 | 27·8 | 9th .. .. | 3,204·92 | 135 | 11·7 |
| 10th .. .. | 3,205·49 | 361 | 31·2 | 10th .. .. | 3,204·84 | 110 | 9·5 |
| 11th .. .. | 3,205·30 | 279 | 24·1 | 11th .. .. | 3,204·77 | 88 | 7·6 |
| 12th .. .. | 3,205·43 | 346 | 29·9 | 12th .. .. | 3,204·70 | 72 | 6·2 |
| 13th .. .. | 3,205·50 | 382 | 33·0 | 13th .. .. | 3,204·67 | 63 | 5·4 |
| 14th .. .. | 3,205·65 | 457 | 39·5 | 14th .. .. | 3,204·64 | 56 | 4·8 |
| 15th .. .. | 3,205·86 | 557 | 48·1 | 15th .. .. | 3,204·61 | 49 | 4·2 |
| 16th .. .. | 3,205·96 | 1,020 | 88·1 | 16th .. .. | 3,204·60 | 47 | 4·1 |
| 17th .. .. | 3,206·74 | 1,091 | 94·3 | 17th .. .. | 3,204·60 | 47 | 4·1 |
| 18th .. .. | 3,206·19 | 733 | 63·3 | 18th .. .. | 3,204·59 | 44 | 3·8 |
| 19th .. .. | 3,205·80 | 528 | 45·6 | 19th .. .. | 3,204·57 | 40 | 3·5 |
| 20th .. .. | 3,205·61 | 420 | 36·3 | 20th .. .. | 3,204·56 | 37 | 3·2 |
| 21st .. .. | 3,205·46 | 353 | 30·5 | 21st .. .. | 3,204·54 | 32 | 2·8 |
| 22nd .. .. | 3,205·63 | 448 | 38·7 | 22nd .. .. | 3,204·53 | 45 | 3·9 |
| 23rd .. .. | 3,205·88 | 566 | 48·9 | 23rd .. .. | 3,204·64 | 55 | 4·8 |
| 24th .. .. | 3,205·72 | 478 | 41·3 | 24th .. .. | 3,204·62 | 51 | 4·4 |
| 25th .. .. | 3,205·50 | 367 | 31·7 | 25th .. .. | 3,204·63 | 52 | 4·5 |
| 26th .. .. | 3,206·60 | 1,189 | 102·7 | 26th .. .. | 3,204·58 | 41 | 3·5 |
| 27th .. .. | 3,207·96 | 2,227 | 192·4 | 27th .. .. | 3,204·53 | 32 | 2·8 |
| 28th .. .. | 3,207·93 | 2,013 | 173·9 | 28th .. .. | 3,204·51 | 26 | 2·2 |
| 29th .. .. | 3,206·86 | 1,118 | 96·6 | 29th .. .. | 3,204·49 | 23 | 2·0 |
| 30th .. .. | 3,206·15 | 696 | 60·1 | 30th .. .. | 3,204·49 | 23 | 2·0 |
| | | | | 31st .. .. | 3,204·48 | 11 | 1·0 |
| Total for the month. | .. | .. | 1,667·5 or 1,670 | Total for the month. | .. | .. | 353·3 or 350 |

Zero of gauge + 3,204·30.

*Note.*—The mean daily reading is the average of four readings of the corrected value of 'h' taken in every 24 hours at 6 a.m., noon, 6 p.m. and 6 a.m. on the following day. The corrected values of 'h' have been obtained by adding to the readings at the weir gauge one-third the difference of readings at the measuring weir and those at 200′ above the weir for gauges up to 0·6′ and half the difference for gauges between 0·6′ and 1·5′ and two-thirds the difference for gauges over 1·5′.

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**Order—No. 7 I., dated 5th January 1920.**

The Government direct that, in the circumstances stated by the Chief Engineer for Irrigation, the Periyar-Pambiyar scheme be abandoned.

2. A copy of these Proceedings will be forwarded to the Government of India for information with reference to correspondence ending with their letter No. 2207 I., dated 8th December 1908.

[Here enter No. 8 I., dated 5th January 1920.]

(True extract)

W. J. J. HOWLEY,
*Secretary to Government, P.W.D. (Irrigation).*

To the Superintending Engineer, VI Circle.
,, Accountant-General, Madras.
,, Revenue Department.
Copy to the Publicity Officer.

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**Endorsement—No. 8 I., dated 5th January 1920.**

Forwarded.

W. J. J. HOWLEY,
*Secretary to Government, P.W.D. (Irrigation).*

To the Secretary to the Government of India, Public Works Department.